CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Hospital and hotel, Chicago, Ill., Physicians and Surgeons Institution having plans prepared, $6,000,000.

Telephone lines, cables, etc., Tennessee, Southern Bell Telephone & Telegraph Co. plans expending during 1927, $5,000,000.

Irrigation, Electra, Tex., making plans, $5,000,000.

Bridges, Tennessee, Dept. Highways & Pub. Wks. making plans, $5,000,000.

Department store, Washington, D. C., S. Kann Sons & Co. having plans prepared, $4,500,000.

Office and store, Chicago, Ill., V. J. Curto having sketches made, $3,500,000.

Pulp and paper plant, Abereleen, Wash., Crown-Willamette Paper Co. plans first unit, $3,000,000.

Loft, New York, N. Y. Julius Tishman & Sons, making plans, $3,000,000.

Sewers, Milwaukee, Wis., Dept. Pub. Wks. making plans for 1927, $2,700,000.

Apartment, New York, N. Y., Billingsley Realty Co., Inc., having plans prepared, $2,500,000.

Office, Tulsa, Okla., W. Phillips making plans, $2,000,000.

Hotel, New York, N. Y., Queen Marie Hotel Corp. having plans prepared, $2,000,000.

Telephone extensions, London, Ont., Bell Telephone Co. making plans, $2,000,000.

Community hall, theatre, etc., Powell River, B. C., Powell River Co., Ltd., having plans prepared, $1,500,000.

Store Philadelphia, Pa., Bonwit-Teller & Co., having plans prepared, $1,500,000.

Power house, St. Alban, Que., Portneuf Power Co. making plans, $1,500,000.

Bids Desired

Convention hall, Asbury Park, N. J., Jan. 11 by E. F. Hetrick, mayor, $1,500,000.

Hotel, New Orleans, La., Jan. 26 by Montelcone Hotel Co., $1,250,000.

Hospital, Jacksonville, Fla., Jan. 25 by G. A. Barry, $1,000,000.

Contracts

Jail, administration and criminal court, Chicago, Ill., Supt. Pub. Serv. to Great Lakes Constr. Co. and others, $7,015,949.

Hospital, Buffalo, N. Y., City Hospital Comn. to J. W. Cooper Co. and others, $2,769,216.

Dormitory, Hanover, N. H., Dartmouth College to Hegeman-Harris Co., Inc., $1,000,000.

Apartment, Chicago, Ill., Delaware Place Building Corp. to J. H. Johnson, $1,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close		*See Eng. News-Record*
Jan. 18	Milwaukee, Wis.	Jan. 13
Jan. 18	Olney, Ill.	Jan. 6
Jan. 19	Dearborn, Mich.	Jan. 13
Jan. 19	Milwaukee, Wis.	Jan. 13
Jan. 21	Hawthorne, N. J.	Jan. 6
Jan. 24	San Diego, Calif.	Jan. 6
Feb. 4	Slidell, La.	Jan. 13
Feb. 7	Lake Forest, Ill. Adv. Jan. 13.	Jan. 13
Feb. 8	Toronto, Ont.	Jan. 13

Sewers

Jan. 17	Chicago, Ill.	Jan. 13
Jan. 17	Buffalo, N. Y.	Jan. 13
Jan. 18	Keansburg, N. J. Adv. Jan. 6 and 13.	Jan. 6
Jan. 18	St. Louis, Mo.	Dec. 23
Jan. 19	Baltimore, Md.	Jan. 13
Jan. 19	Phila., Pa.	Jan. 13
Jan. 20	Chicago, Ill.	Dec. 23
Jan. 20	Blacksburg, Va. Adv. Dec. 30 to Jan. 13.	Dec. 30
Jan. 21	Pittsburgh, Pa.	Jan. 13
Jan. 24	Mankato, Minn. Adv. Jan. 13.	Jan. 13
Jan. 25	Rice Lake, Wis.	Dec. 30
Jan. 25	Emporia, Kan.	Jan. 13
Jan. 25	Toronto, Ont.	Jan. 13
Feb. 3	Little Rock, Ark.	Jan. 13
Feb. 4	North Chicago, Ill. Adv. Jan. 13.	Jan. 13
Feb. 4	Slidell, La.	Jan. 13
Feb. 15	Rushville, Ind.	Jan. 13

Bridges

Jan. 17	Illinois	Jan. 6
Jan. 18	Harlan, Ia. Adv. Jan. 13.	Jan. 6
Jan. 18	Phila., Pa.	Jan. 13
Jan. 18	Wisconsin	Jan. 13
Jan. 19	Phila., Pa.	Jan. 13
Jan. 20	Fairfield, Ill.	Dec. 30
Jan. 20	Pittsburgh, Pa.	Jan. 13
Jan. 24	Michigan	Jan. 13
Feb. 2	Reading, Pa. Adv. Jan. 13.	Jan. 13
Feb. 3	Jersey City, N. J.	Jan. 6
Feb. 5	Winchendon, Mass.	Jan. 13

Dams

Jan. 14	New York, N. Y.	Jan. 6

Railways

Jan. 17	Alabama	Jan. 6

Excavation, Drainage, Irrigation, Levees, River and Harbor

Bids close		*See Eng. News-Record*
Jan. 15	Knox, Ind.	Jan. 6
Jan. 17	Miami, Fla.	Jan. 13
Jan. 17	Jacksonville, Fla.	Jan. 13
Jan. 19	Shreveport, La.	Jan. 6
Jan. 20	Walnut Ridge, Ark.	Jan. 13
Feb. 2	Duluth, Minn.	Dec. 30
Feb. 8	New York Adv. Jan. 13.	Jan. 13
Feb. 10	Maquoketa, Ia.	Jan. 6

Streets and Roads

Jan. 15	Belleville, Ill.	Jan. 13
Jan. 17	Lisbon, O.	Jan. 13
Jan. 17	Illinois	Jan. 6
Jan. 17	Alabama	Jan. 6
Jan. 18	Louisiana	Jan. 6
Jan. 18	Florida	Jan. 13
Jan. 20	Louisiana	Jan. 6
Jan. 20	Marshville, N. C.	Jan. 13
Jan. 20	Long Island City, N. Y.	Jan. 13
Jan. 21	Jacksonville, Fla.	Jan. 13
Jan. 22	Newfoundland, N. J. Adv. Jan. 6 and 13.	Jan. 13
Jan. 25	Birmingham, Ala.	Dec. 30
Jan. 25	Marysville, Kan.	Dec. 30
Jan. 25	Louisiana	Jan. 6
Jan. 25	Virginia Adv. Jan. 13.	Jan. 13
Jan. 25	Iowa City, Ia.	Jan. 13
Jan. 27	Louisiana	Jan. 13
Jan. 28	Louisiana	Jan. 6
Jan. 28	Lincoln, Kan.	Jan. 13
Feb. 1	Philippi, W. Va.	Jan. 13
Feb. 2	Delaware Adv. Jan. 13.	Jan. 13
Feb. 2	San Benito, Tex.	Jan. 13
Feb. 18	Kentucky	Dec. 16
Feb. 24	Kenosha, Wis.	Jan. 13
Mar. 15	Minot, N. D.	Jan. 13

Buildings—Commercial

Jan. 14	Phila., Pa.	Jan. 13
Jan. 15	New Philadelphia, O.	Dec. 9
Jan. 17	New York, N. Y.	Jan. 13
Jan. 18	Jackson, Miss.	Jan. 6
Jan. 19	Flint, Mich.	Dec. 30
Jan. 19	Chicago, Ill.	Dec. 30
Jan. 22	Sheffield, Ala.	Jan. 13
Jan. 24	Hartford, Conn.	Jan. 6
Jan. 24	Los Angeles, Calif.	Jan. 13
Jan. 25	Jacksonville, Fla.	Jan. 13
Jan. 26	New Orleans, La.	Jan. 13

See proposal advertising on page 141

Buildings—Industrial

Bids close		*See Eng. News-Record*
Jan. 17	Richmond, Va.	Jan. 13
Jan. 18	Austin, Tex.	Jan. 13
Feb. 7	Chagrin Falls, O.	Jan. 13

Buildings—Educational, Religious

Jan. 15	Westview (br. Zanesville), O.	Jan. 6
Jan. 17	Tallahassee, Fla.	Dec. 30
Jan. 19	Mt. Morris, Mich.	Jan. 6
Jan. 19	West Milwaukee (Milwaukee P. O.), Wis.	Jan. 13
Jan. 20	Tupelo, Miss.	Dec. 30
Jan. 21	Portsmouth, O.	Dec. 30
Jan. 21	Indianapolis, Ind.	Dec. 30
Jan. 21	Minneapolis, Minn.	Jan. 13
Jan. 21	Albany, N. Y.	Jan. 13
Jan. 21	Sandusky, O.	Jan. 13
Jan. 24	Miami, Fla.	Jan. 6
Jan. 24	East Grand Rapids (mail Grand Rapids), Mich.	Dec. 30
Jan. 25	Vineland, N. J.	Jan. 6
Jan. 31	Hughesville, Pa.	Jan. 13
Feb. 1	Wash., D. C.	Oct. 7
Feb. 10	Fresno, Calif.	Jan. 13
May 1	Monroe, Mich.	Jan. 13

Federal Government Work

Jan. 18	Retaining Walls, etc.—Wash., D. C.	Dec. 30
Jan. 19	Building — San Diego, Calif.	Dec. 30
Jan. 19	Radio Tower—Jupiter, Fla.	Dec. 16
Jan. 20	Towboat—St. Louis, Mo. Adv. Dec. 9 and Jan. 13.	Dec. 9
Jan. 20	Dredge Tender—Norfolk, Va. Adv. Dec. 23, 30 and Jan. 13.	Dec. 23
Jan. 20	Dredging—New York, N. Y. Adv. Dec. 23 to Jan. 13.	Dec. 23
Jan. 25	Fire Alarm System—Sheridan, Wyo.	Jan. 6
Jan. 27	Barracks—Oceanport, N. J. Adv. Jan. 13.	Jan. 6
Feb. 3	Pumps—San Francisco, Calif.	Jan. 13
Feb. 7	Tug—Mobile, Ala. Adv. Dec. 16 to Jan. 13.	Dec. 16
Feb. 9	Heating Equipment, etc.—Mare Island, Calif.	Jan. 6
Feb. 10	Dredging, etc.—Alaska	Jan. 6
Feb. 14	Post Office and Courthouse—Syracuse, N. Y. Adv. Jan. 13.	Jan. 13
Mar. 10	Scout Cruisers, etc.—Wash., D. C.	Dec. 30

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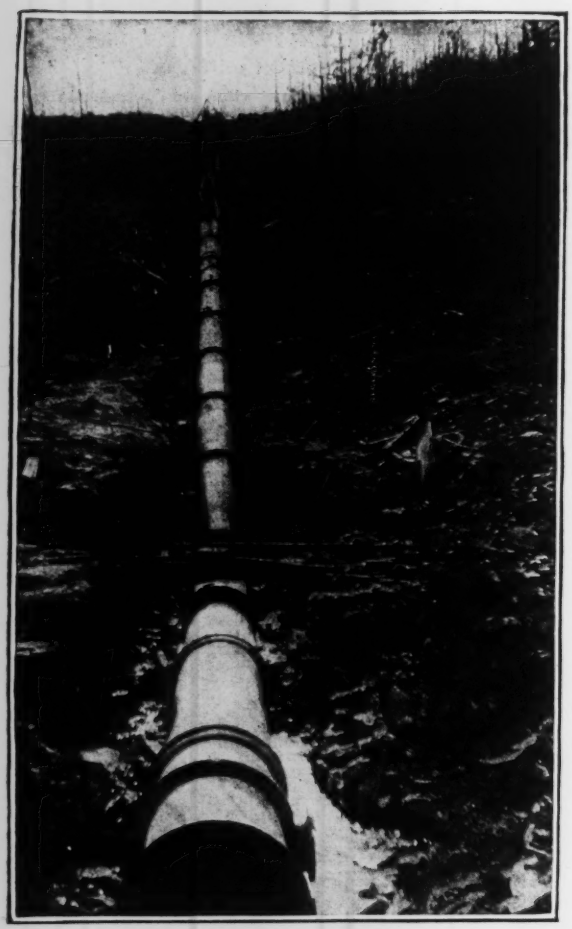
TRADE "LEADITE" MARK
Registered U. S. Pat. Office



Section of 9 miles 30-in. and 36-in. pipe laid with LEADITE

LEADITE, like cast-iron pipe, has proven its durability.

LEADITE has been successfully tested and used for over 30 years for jointing all sizes of cast-iron bell and spigot water mains from 4 in. to 60 in. in diameter, under all pressures and conditions encountered in water-works construction.

Thousands of miles of pipe have been laid with LEADITE.

The most prominent water-works engineers, superintendents and contractors specify and use LEADITE on their work, because it is durable, economical and efficient.

LEADITE saves at least 75%.

LEADITE is the pioneer Self-Caulking Material for c.i. Pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Unclassified

Bids close		See Eng. News-Record
Jan. 17	Memorial—New Britain, Conn.	Jan. 6
Jan. 17	Lighting System—Colton, Calif.	Jan. 6
Jan. 17	Metal Work—Phila., Pa.	Jan. 13
Jan. 18	Barn—Buffalo, N. Y.	Jan. 13
Jan. 19	Elevators—Brooklyn, N. Y.	Dec. 30
Jan. 19	Elevator—Kings Park, N. Y. Adv. Dec. 30 to Jan. 13.	Dec. 30
Jan. 19	Steel Lighting System—Marcy, N. Y.	Jan. 6
Jan. 19	Fire Escapes, etc.—Buffalo, N. Y. Adv. Jan. 6 and 13.	Jan. 6
Jan. 20	Foundation—Newport, Pa.	Jan. 6
Jan. 20	Engines, Generator, etc.—Warren, Pa.	Jan. 6
Jan. 20	Piers—San Francisco, Calif.	Jan. 13
Jan. 20	Plumbing and Fire Protection Systems—Phila., Pa.	Jan. 13
Jan. 24	Bulkhead — San Diego, Calif.	Jan. 13
Jan. 25	Culverts, etc.—Iowa City, Ia.	Jan. 13
Jan. 25	Steel Wharf Barge—Minneapolis, Minn. Adv. Jan. 13.	Jan. 13
Feb. 1	Lighting System—Minneapolis, Minn.	Jan. 13
Feb. 7	River Terminal—Dubuque, Ia.	Jan. 13

Materials

Bids close		See Eng. News-Record
Jan. 14	Limestone Dust, etc.—Newark, N. J.	Jan. 13
Jan. 17	Lumber, etc.—Carroll, Ia.	Jan. 13
Jan. 18	Lumber, etc.—Orange City, Ia.	Jan. 13
Jan. 18	Electric Cable—Minneapolis, Minn.	Jan. 13
Jan. 18	Crushed Pebbles, etc.—Phila., Pa.	Jan. 13
Jan. 19	Fencing Wire and Posts, etc. —Phila., Pa.	Jan. 13
Jan. 19	Vitr. Clay Conduit—Baltimore, Md.	Jan. 13
Jan. 20	Guard Rails, etc.—Phila., Pa.	Jan. 13
Jan. 21	Lumber, etc.—Glenwood, Ia.	Jan. 13
Jan. 21	Steel Wheels—Phila., Pa.	Jan. 13
Jan. 24	Lumber, etc.—Clinton, Ia.	Jan. 13

News of the Week

Waterworks

Proposed Work

Mass., Townsend — Making preliminary plans water system. $175,000. Parker, Bateman & Chase, High St., Clinton, engrs.

Conn., Bristol — Plans 2,000 ft. 8 in. mains in Jerome Ave.; and 2,900 ft. 6 in. mains in Newell Rd., Rustic Terrace and Maple Ave. To exceed $15,000. A. Harper, secy. Bd. Water Comrs.

N. J., Wildwood—Plans extending waterworks. $25,000. H. Weir, city engr.

Ga., Atlanta—City, W. L. Smith, genl. mgr., plans waterworks improvements, incl. mechanical stokers, coal and ash handling equipment, etc. $180,000. J. N. Eley, Atlanta Trust Bldg., engr.

Tenn., Monterey—Plans waterworks and sewerage system. To exceed $15,000. Project being fostered by Exchange Club and civic organization of town. Engineer not selected.

Wis., Niagara—Making plans water supply, incl. springs, reservoir, pipe lines, etc. $50,000. W. S. Shields, 6 South Dearborn St., Chicago, Ill., engrs.

Wis., Ojibwa—See "Buildings—Commercial."

Wis., Sheboygan—Water Dept., W. F. Koehn, supt., City Hall, plans installing new steam power boiler for pumping station. $10,000. Engineer not selected.

Ia., Cedar Rapids—Completing plans and election in spring $400,000 bonds, new water supply from water bearing sand stratum between 50 and 90 ft. below surface, probably 8 gravel packed wells or sufficient number to provide 8 m.g.d., also motor driven pumping equipment, tank on tower, filter plant, etc. and 1½ mi. 24 in. mains, etc. H. F. Blomquist, supt. City Waterworks. Noted Dec. 30.

S. D., Watertown — Plans election in spring, constructing 500,000 gal. standpipe for water system. F. Bannister, city aud.

N. D., Bottineau—Made plans and takes bids about Mar. 1, extending waterworks, incl. approximately 3.5 mi. pipe line, etc. E. J. Thomas & R. M. Stee, Minot, consult. engrs.

N. D., Devils Lake—Election Jan. 19, $55,000 bonds, improving water supply. M. Olsen, city aud. Noted Jan. 6.

Tex., Cooledge—Voted $20,000 bonds, waterworks improvements. J. H. Gamel, mayor. Noted Dec. 30.

Tex., Corpus Christi—See "Unclassified."

Tex., Fayetteville—Voted $35,000 bonds, complete waterworks. Address Mayor.

Tex., Kosse—Election Jan. 21, $55,000 bonds, complete waterworks. Address Mayor.

Tex., San Angelo—West Texas Utilities Co., c/o Price Campbell, supt., making surveys new source supply. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, Ill., engrs.

Tex., San Antonio—See "Unclassified"

Tex., San Benito—See "Unclassified."

Tex., San Saba—Election Jan. 18, $90,000 bonds, waterworks. Address Mayor.

Okla., Chattanooga—Voted $18,000 bonds, waterworks extensions, incl. 12,440 ft. 4- to 6-in. c.i. pipe, triplex pump, etc. Engineer not selected.

Okla., El Reno — Making preliminary plans waterworks improvements, incl. 4 new wells, 4 turbine well pumps, 5,600 ft. 10 in. c.i. pipe, etc. $40,000. C. W. Fassett, El Reno, engr.

Okla., Healdton—Election Jan. 21, $65,000 bonds, 4 deep wells, pumps, motors, and connecting pipe lines. C. Coon, Healdton, engr. Noted Sept. 2.

Okla., Maud—Making plans improving waterworks, incl. 10,700 ft. 4 and 6 in. c.i. mains, wells, pumps, etc. $17,000. Long & Co., Colcord Bldg., engr. Noted Dec. 23.

Okla., Tipton — Plans waterworks, incl. dam across Otter Creek, filter basins, 19,000 ft. 8 in. c.i. pipe line, centrifugal pumps, etc. $45,000. Long & Co., Colcord Bldg., Oklahoma City, engr.

Calif., San Rafael — Marin Municipal Water Dist. making plans 4,000 ft. 8 in. c.i. pipe line from end of 10 in. main to Bay Shore Acres $15,000, 14 in. c.i. pipe line in 5th Ave. from Forest Hill Reservoir to Grand Ave., 10 in. line from that point to Mountain View and Grand Ave., and 12 in. c.i. pipe line to high school $75,000, also 12 in. c.i. pipe line on Fish Grade from flow line at Lake Lagunias to Phoenix Gate House $15,000, here; 1 m.g. reservoir, incl. pipes, at Tibouron, $65,000; 200,000 gal. steel elevated tank at Belvedere, and 50,000 gal. tank, etc. in Larachet Tract Mill Valley, $15,000; also 1 m.g. reservoir at Fairfax, $45,000. Eng. Dept. of Owners, engrs.

Ontario—City of St. Catharines making plans linking waterworks systems of Thorold and Merritton with St. Catharines waterworks filtration plant, incl. 16 in. c.i. main from St. Catharines to Thorold, also new concrete reservoir. $156,000. A. Miline, City Hall, St. Catharines, engr.

Ont., Drayton—Plans waterworks, incl. c.i. mains, pumps, 3 wells, etc. $35,000. A. C. Woodman, Drayton, clk. Engineer not selected.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Ont., St. Catharines—Water Comn. plans pipe line to supply water to Thorold and Merritton. $160,000. A. Lamson, City Hall, engr.

B. C., Point Grey — Election Jan. 15, $50,000 bonds, installing water meters and connections. W. B. Greig, 5851 West Blvd., engr.

Bids Desired

N. C., Marshville — See "Streets and Roads."

La., Slidell—Feb. 4, by Mayor and Bd. Aldermen, Town Hall, waterworks, incl. 19,000 lin.ft. 2 x 2 in. galvanized iron pipe; 375 tons 4 and 6 in. c.i. pipe; concrete reservoir, tank and tower, etc. J. W. Billingsley, Interstate Bank Bldg., New Orleans, consult. engr. Noted Sept. 23 under "Sewers."

Mich., Dearborn—Jan. 19, by H. B. Knauff, clk., laying 40,865 ft. 6- to 12-in. c.i. mains, 56 hydrants, and 95 gate wells, Contr. D, and 47,680 ft. 6 to 12 in. c.i. mains, 70 hydrants, 100 gate wells, Contr. E. R. H. Erley, engr.

Ill., Lake Forest — Feb. 7, by Village, filtration plant incl. filters, filtered water reservoir, and head house. $90,000. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.; adv. E. N.-R. Jan. 13. Noted Nov. 11.

Wis., Milwaukee—Jan. 18, by Dept. Pub. Wks., R. E. Stoelting, comr., three 400 hp. horizontal water tube boilers with furnaces, mechanical stokers, superheaters, forced draft apparatus, etc. for Riverside Pumping Sta. J. Schwada, City Hall, engr.

Wis., Milwaukee — Jan. 19, by Central Bd. Purch., J. W. Nicholson, ch. buyer, City Hall, 200 fire hydrants.

Ont., Toronto — Feb. 8, by T. Foster, mayor, City Hall, one 24 in. flanged waterworks c.i. gate valve with 6 in. bypass, Tender 55. $2,500. R. C. Harris, City Hall, engr.

Ont., Toronto—See "Sewers."

Bids Received

Mass., Boston—Supply Dept., Dec. 31, 400,000 lb. iron castings, branches, curves, etc., from Fdry. & Machine Co., 201 Devonshire St., Boston, $0.0589 per lb., and 500,000 lb. iron castings, from Mechanics Iron Fdry. Co., 38 Kemble St., Roxbury, $0.0475 per lb. Noted Dec. 30.

Md., Baltimore—Bd. Awards, Jan. 5, c.i. pipe and fititngs, to Bureau Water Supply, from Baltimore Clay Products Co., 2113 West Lafayette Ave., $20,650. Noted Dec. 30.

O., Cincinnati—Director Pub. Serv., Dec. 17, manufacturing, furnishing and delivering 1,785 tons 4- to 12-in. c.i. pipe, from U. S. Cast Iron Pipe Co., Addyston, $88,953, engrs. est. $100,000; also laying 409,400 lin.ft. 4- to 12-in. c.i. mains in various unimproved streets, from M. F. Quill, 409 Gerke Bldg., $83,846, engrs. est. $100,000. Noted Dec. 16.

Wis., Milwaukee—Central Bd. Purchases, J. W. Nicholson, ch. buyer, Dec. 29, from Gibson Bros. Mfg. Co., North Chicago, Ill., three thousand ⅝ in. meter cocks at $0.46 each, three thousand ¾ in. $0.56, and two hundred fifty 1 in. $0.88, six thousand ¾ in. meter couplings at $0.13 each, six thousand ¾ in. $0.19, and five hundred 1 in. $0.30; one thousand five hundred ⅝ in. corporation cocks at $0.54, and three thousand five hundred ¾ in. $0.71, two thousand ¾ in. curb cocks $0.57, and three thousand five hundred 1 in. $0.88; from Hoffmann-Billings Mfg. Co., 100 2nd St., 125 D stop cock boxes at $4.42 each, and 1,000 D D $4.58, 250 covers $0.58, 100 top sections $1.47, 25 D middle sections $1.21, 100 D D $1.27, and 300 extension pieces $0.79; also from Michigan Valve & Fdry. Co., 3631 Parkinson St., Detroit, Mich., six hundred and fifty 6 in. gate valves at $19.45 each, two hundred fifty 8 in. $29.45 each, one hundred 12 in. $59.50, and thirty-five 16 in. $122, two hundred 2 in. tapping valves $14.70, twenty-five 3 in. $18.40, ten 4 in. $22.50, and fifteen 6 in. $34.50. Noted Dec. 23.

Minn., Minneapolis—F. S. Gram, city purch. agt., Jan. 4, from Michigan Valve & Foundry Co., American Trust Bldg., Detroit, Mich., 132 gate valves, 6 in. at $18.75 each and 8 in. $26.90, 100 fire hydrants at $78 each; and from Central Supply Co., 313 3rd St., 24 in. gates valves at $371.70 each. Noted Dec. 30.

Minn., St. Paul—A. E. Eggert, city purch. agt., Jan. 4, 2,400 sections for stop boxes and 300 sections for gate boxes, from Cochran-Sargent Co., 5th and Sibley Sts. $7,625. Noted Dec. 30.

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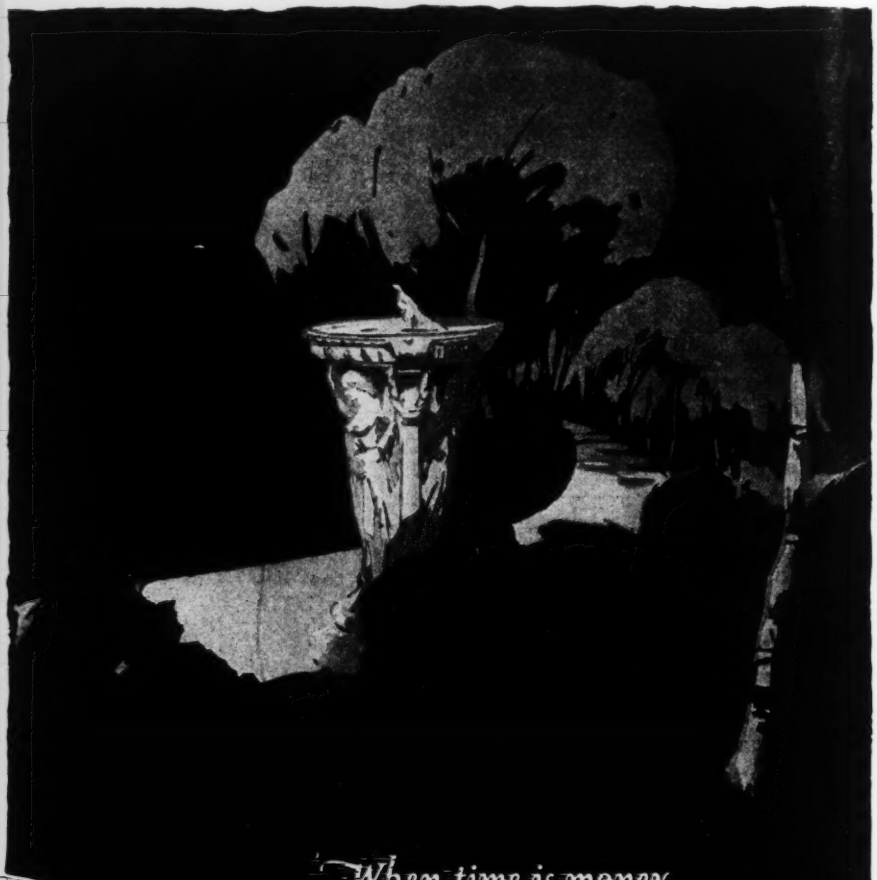
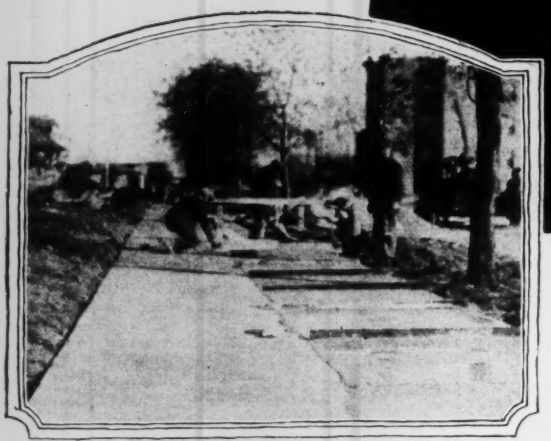


When time is money . . .

use High-Early-Strength concrete made with standard (not special) Universal Cement



Sidewalk, Floosmoor, Ill. High-Early-Strength *Universal* concrete obtained by J. D. Smith, contractor, using standard *Universal* (not special) cement, the same quality *Universal* regularly handled and furnished by Darr Coal & Supply Co., Hazel Crest, Ill.

Use It On *Any* Job Calling for *Early* Use or *Better* Concrete

High-Early-Strength *Universal* concrete is used on all kinds of work from an ornamental sun-dial to a sidewalk, street or building—

—in 3 *days* this concrete has the strength of ordinary 28-*day* concrete;
—it is as workable as you wish to make it;
—it is permanently *better* and *stronger* than ordinary concrete;
—it is made by using fully tested methods and standard *Universal* cement which, being standard—not special—sells at the usual price.

The accompanying coupon will bring full details promptly.

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

UNIVERSAL PORTLAND CEMENT CO.
210 South La Salle Street, Chicago.

Without obligation, please send me detailed information on methods for securing strong concrete in 3 *days* with standard *Universal* [not special] cement, the same quality *Universal* regularly used.

Name .....

Address .....

ENR 1-13

Waterworks (Continued)

Calif., Riverside — For 35,320 ft. ditch, excavate and back fill, 12,095 ft. 42 in. pipe, 50 ft. head, 11,285 ft. 42 in., 75 ft. head, 8,515 ft. 42 in. 93 ft. head and 3,425 ft. 52 in. 105 ft. head, from H. W. Rohl, 625 Market St., San Francisco, $\frac{5}{16}$ in. plate steel gunite coated pipe $259,654, $\frac{1}{4}$ in. plate steel gunite coated pipe $289,676, $\frac{1}{4}$ plate, lock bar steel gunite coated pipe $335,592, and centrifugally cast rein.-con. pipe $307,205.

Contracts Awarded

O., Lyndhurst (br. Cleveland)—To A. Marra Co., Engineers Bldg., Cleveland, mains in Ford Rd. $25,711; to Curro & Whittaker, Engineers Bldg., Cleveland, in Brainard Rd. $22,216, Corydon Rd. $19,939, Dorset Rd. $2,136, and Ridgebury Rd. $8,351. Grand total $78,353. Noted Dec. 23.

Ill., Mundelein—Water service pipes in various streets, to J. A. Melloy, Libertyville, $18,688. Noted Aug. 5.

Neb., McCook — F. Moss, city clk., to Drake-Williams-Mount Co., 23rd and Hickory Sts., Omaha, constructing 1.5 m.g. stand pipe, 70 ft. high and foundation $11,440; to Layne-Western Co., Chicago, Ill., 2 wells $6,800, 2 well houses $1,000, and 2 pumps $9,290. Grand total $28,530. Noted Dec. 16.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, two 30 to 35 m.g.d. capacity high pressure steam turbine centrifugal, also two 40 to 60 m.g.d. and one 60 to 120 m.g. low pressure steam turbine pumps for low pressure engine house, to De Laval Steam Turbine Co., North Clinton St. and Pennsylvania R.R. tracks, Trenton, N. J. $480,950. Noted Nov. 11.

Okla., Shawnee — Well supply development, incl. wells, pumps, piping, pump house, etc., to Layne-Western Co., Mutual Bldg., Kansas City, Mo., $69,500. Noted Dec. 2.

B. C., Vancouver—E. A. Cleveland, engr., 500 Beatty St., 3,000 ft. c.i. pipe, to Vancouver Mchy. Depot, 1155 6th Ave. W., $15,415; and valves, to Gordon & Belyea Ltd., 157 Alexander St. $21,405, for Greater Vancouver Water Bd.

B. C., Vancouver—E. A. Cleveland, engr., 500 Beatty St., 10,000 ft. 32 in. steel mains from 22nd Ave. and Nanaimo St. to Little Mountain Reservoir, to Pacific Engr., 744 Hastings St. W., for Greater Vancouver Water Bd. $87,587.

Sewers

Proposed Work

Mass., Nantucket—Made plans sewerage system. $225,000. Weston & Sampson, Beacon St., Boston, engrs.

Pa., Pittsburgh—Making plans 48 and 60 in. relief and 20 in. branch sewers in Dumferline St. and Hamilton Ave. $32,000. Dept. Pub. Wks., City County Bldg., engrs.

Pa., Williamsville—Voted $532,000 bonds, sewage disposal plant and sewerage system.

Tenn., Monterey — See "Waterworks."

Tenn., South Pittsburg—Plans storm and sanitary sewers also paving various streets. To exceed $25,000. Campbell Wallace, Empire Bldg., Knoxville, engr. Noted Nov. 4.

Ind., Anderson—Plans sewers in streets west of Arrow Ave. and 10th St. south to city limits. $100,000 or more. M. H. Douney, City Hall, engr.

Ind., Anderson — Making plans modern sewage disposal and garbage plant. $500,000. M. H. Douney, City Hall, engr.

Mich., Royal Oak (Ind. br. Detroit) — Making plans extending vitr. and concrete sewers in various streets. $50,000. R. J. Whitney, city mgr.

Ill., East St. Louis — See "Streets and Roads."

Ill., East St. Louis—Takes bids about Apr. 1, sewers in North End Sewer Dist., incl. 14,900 ft. 8- to 36-in. vitr. clay pipe, 22,000 ft. vitr. clay pipe house connections, 64 manholes, etc. $89,000. W. McK. Brown, City Hall, engr. Noted Jan. 6.

Wis., Fond du Lac—C. J. Fay, city clk., takes bids about Feb. 1, sewage disposal plant, incl. tanks and equipment $94,000, sludge drying beds $8,800, outfall sewer $16,000, sprinkling filters $150,000, pumping equipment $7,000, and force main $15,600. Alvord, Burdick & Howson, 6 South Dearborn St., Chicago, Ill., engrs. W. G. Kirschoffer, 22 South Carroll St., Madison, consult. engr. Noted Sept. 23.

Wis., Milwaukee—City, R. E. Stoelting, comr. Dept. Pub. Wks., making plans sewers in various streets during 1927. $2,700,000. J. Schwada, City Hall, engr.

Wis., Racine—H. A. Nelson, comr. Dept. Pub. Wks., making plans 56,070 ft. 8- to 60-in. vitr. and concrete sewers in district west of Lathrop St., south of Haven St., and north of railroad tracks, also Jerome Park Addition and Wolfs 4th Addition. $245,000. J. W. Beaugrand, City Hall, engr.

Kan., Wichita—City, E. C. Elliott, city mgr., plans sewage disposal plant and auxiliary equipment. $1,000,000. P. L. Brockway, City Hall, engr.

Mo., Sarcoxie—Making preliminary plans complete sewerage system. To exceed $25,000. E. S. Glenn, Carthage, engr.

Mont., Plentywood—Made plans extending trunk sewer to Big Muddy Creek, also intermittent and sand filters for sewage treatment. E. J. Thomas, Minot, N. D., consult. engr.

Tex., Abilene — Voted $50,000 bonds sewers in various streets. O. K. Hobbs, city engr.

Tex., Alvin — Election Feb. 26, $60,000 bonds sewerage system and disposal plant.

Tex., Corpus Christi—See "Unclassified."

Tex., Galveston—Takes bids about Jan. 24, 18- to 30-in. monolithic precast concrete or vitr. clay sewers in Bway., 46th and 47th Sts. $200,000. C. A. Holt, Jr. city engr.

Tex., Raymondville—Election soon $50,000 bonds, sewer improvements. M. H. Dryer, mayor.

Tex., San Antonio—Plans sewers in Jefferson Heights. $75,532. City to purchase pipe. I. Ewig, city engr.

Tex., San Benito—See "Unclassified."

Tex., San Saba—Election Jan. 18, $60,000 bonds, sewers in various streets. Address Mayor.

Ont., Guelph—City plans 4,750 ft. 8- to 21-in. vitr. clay sewers in various streets. $25,000. Work will probably be done by day labor. H. S. Nicklin, City Hall, engr.

Ont., St. Catharines—Making plans storm sewers in North St. Catharines. $45,000. A. Lamson, City Hall, engr.

Ont., Toronto—Plans vitr. tile and concrete sewers in Queens Quay and John St., Lane 1st west of Beatrice St., and Lane 1st and 2nd north of Dundas St. $46,105. R. C. Harris, City Hall, engr.

Bids Desired

N. Y., Buffalo—Jan. 17, by Dept. Pub. Wks., Municipal Bldg., 10- to 15-in. vitr. sewer in Whitehall, Reading, Blum and Ramsdell Aves. J. J. Love, comr.

Pa., Phila.—Jan. 19, by Dept. Pub. Wks., Bureau of Engineering, 216 City Hall, Schedule A, branch sewers; Schedule B, main sewers in Runcan St., Erie and Mansfield Aves. G. H. Biles, dir.

Pa., Pittsburgh—Jan. 20, by E. G. Lang, dir. Dept. Pub. Wks., constructing sewer in Dunfermline St. between Hamilton and Susquehanna Aves. $36,000.

Md., Baltimore—Jan. 19, by Bd. Awards, 761 lin.ft. 3 ft. 6 in. x 4 ft. 5 in. brick and concrete drain, 2,856 lin.ft. 42 and 48 in. rein.-con. pipe drain, 2,820 lin.ft. 12 and 15 in. vitr. pipe drain, 1,484 lin.ft. 6 and 8 in. vitr. pipe sewer in Storm Water Contr. 101, M. J. Ruark, 311 Courtland St. sewerage engr.

N. C., Marshville — See "Streets and Roads."

La., Slidell—Feb. 4, by Mayor and Bd. Alderman, acting as Governing Authority Sewerage Dist. 1, Town Hall, sewerage system, incl. 40,000 lin.ft. 8 and 12 in. pipe, 3 pumping stations, disposal plant, etc. J. W. Billingsley, Interstate Bank Bldg., New Orleans, consult. engr.

Ind., Rushville—Feb. 15, by Council, 1,600 ft. 66 in. and 2,700 ft. 60 in. vitr. segment block or rein.-con. sewer. S. Stewart, city engr.

Ill., Chicago — Jan. 17, by City, Room 406, City Hall, manhole and catch basin covers, inlet boxes, grates and bends required for use of Bureau Sewers during 1927. A. A. Sprague, comr. Pub. Wks.

Ill., North Chicago—Feb. 4, by North Shore Sanitary Dist., Waukegan, sewage treatment plant, grit chamber, settling tanks and chlorination tanks, here. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.; adv. E. N.-R. Jan. 13. Noted Nov. 11.

Minn., Mankato—Jan. 24, by City Council, approximately 27,000 ft. 8- to 24-in. sanitary sewers in 24 streets. F. W. Bates, city clk.; adv. E. N.-R. Jan. 13.

Kan., Emporia—Jan. 25, by E. T. Mendel, city clk., 5,260 ft. 52 to 102 ft. monolithic concrete, precast concrete or segment block sewers in various streets, also 800 cu.yd. rein.-con. in rectangular sewer. F. Humes, City Hall, engr. Noted Nov. 25.

Ark., Little Rock—Feb. 3, by Bd. Comrs. Sewer Impvt. Dist. 104, at office Democrat Printing & Lithographing Co., 2nd and Scott Sts., 3,060 ft. 10- to 15-in. vitr. clay and 2,300 ft. 48 in. rein.-con. sewers, etc., in various streets. Ford & McRea, 215 Gazette Bldg., engrs. Noted Nov. 18.

Calif., Los Angeles — Bd. Pub. Wks. taking new bids sewer in Venice Blvd. between Hughes and Overland Aves. Former bids rejected.

Calif., Los Angeles—Bd. Pub. Wks. taking bids furnishing 6,500 ft. 27 in. vitr. clay pipe, 260 M. radial sewer brick, 200 tons crushed rock or screened gravel, 57,000 ft. vitr. clay lining blocks, 9,900 ft. pre-cast rein.-con. pipe, 2,200 bbl. cement, 1,400 tons sand, 400 M. common brick, etc., for North Outfall Sewer Sect. 39.

Ont., Toronto—Jan. 11, by T. Foster, mayor, City Hall, sewers in North Sherbourne St. and 2 lanes, also in Oriole Parkway, Greer and Avenue Rds., Glengarry and Eglinton Aves., in North Toronto; also 6 in. water mains in Dewson St., Rosewell and Corley Aves.

Ont., Toronto — Jan. 25, by T. Foster, mayor, City Hall, constructing 9,000 ft. sewer in cut and tunnel incl. caisson work in 4 avenues Sect. 9, and Yonge St., Mount Pleasant Rd., Erskine, Redpath, and Keewater Aves., Sect. 10, in connection with North Toronto Sewerage System. $500,000. R. C. Harris, City Hall, engr.

Ont., Toronto—Jan. 25, by T. Foster, mayor, City Hall, 54 in. rein.-con. sewer pipe, Tender 56, for City, $45,000. R. C. Harris, City Hall, engr.

Bids Received

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Jan. 10, storm sewers in Canal and Vestry Sts., etc., from Paulsen Contr. Co., 9303 Sutphin Blvd., Jamaica, $106,871. Noted Jan. 6.

Md., Baltimore—Bd. Awards, sewers and drains in Sewer Dists. G-11 and J-4, Sanitary Constr. 240, from W. H. Thompson, Relay, $40,650. Noted Dec. 16.

O., Cleveland—J. E. Harper, dir. Dept. Pub. Welfare, Oak and 9th Sts., Columbus, Jan. 6, constructing sewage disposal plant at Hawthorneden farm of the Cleveland State Hospital, near here, from Freeman & Jines, Cleveland, $46,700.

O., Euclid—Village, Jan. 3, 6,855 ft. 15-48 in. sewer in Euclid Ave. (Berwick Dist.), from Ciraci Constr. Co., 3305 Millverton Rd., Cleveland, brick sanitary and storm $80,805, concrete sanitary and storm $73,342, also brick sanitary and concrete storm $77,212.

Mich., Detroit—Dept. Pub. Wks., Dec. 29, constructing 5,013 ft. sewers in West End Ave. in Medina, West End, Silver and Springwells Aves. from River Rouge to Fort St., from Nash Bros., 120 East Baldwin Ave., $758,212, also 4,460 ft. in Witt Ave. Arm., West End Ave. Sewer, in Springwells Ave. from Fort St. to Witt Ave., from T. D. Nolan, Plymouth Rd. and Pere Marquette R. R. tracks, $180,897. Noted Dec. 22.

Calif., Los Angeles — From M. J. Simonovich, 727 Alpine St., sewer in Burlingame Ave. between San Vicente Blvd. and Montana Ave., sanitary sewer $18,031, and house connections $1.25 per ft., etc., total approximately $25,750.

Calif., Sacramento—Vitr. and concrete sewer in North B St. between 5th and 18th Sts., from Municipal Impvt. Co., 1723 Webster St., Oakland. $86,221.

Calif., Santa Cruz—S. A. Evans, city clk., outfall and sewerage system, from J. H. Tillman, 300 East Cabrillo Blvd., Santa Barbara, $390,000-$405,000. Noted Nov. 25.

Ont., Toronto—See "Contracts Awarded."

Contracts Awarded

Mass., Boston—Metropolitan Dist. Comn., Sewer Div., 1 Ashburton Pl., Boston, Sect. 81, Belmont Relief Sewer, North Metropolitan System, in Cambridge and Belmont, to J. N. Ferguson, 22 Parkman St., Dorchester, $63,145. Noted Jan. 6.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, main sewers in G St., to F. DiPasquale, 1215 South 7th St. $12,081, Packer Ave., to A. Jaffola & L. Mark, 139 South 50th St. $271,582, Upsal St., to A. Frunzi, 513 High St. $15,049, and Washington Lane, to McIntyre Constr. Co., 6811 North Franklin St. $25,282; also collecting sewer in 18th St., to Muzzola & Marano, 739 South 7th St., $54,380. Grand total $378,374. Noted Jan. 6.

Md., Baltimore—Bd. Awards, sewers and drains in Sewer Dists. G-11 and J-4, Sanitary Contr. 240, to W. H. Thompson, Relay, $40,650.

O., Cincinnati—Director Pub. Serv., Duck Creek Interceptor, 4,658 ft. 30 in. concrete or segmental block, and 3,000 ft. 8 in. vitr. clay pipe, to Murdock Constr. Co., 4701 Main Ave., Norwood, $45,152. Engrs. est. $57,400. Noted Dec. 23.

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Sewers (Continued)

O., Lyndhurst (br. Cleveland) — To A. Marra Co., Engineers Bldg., Cleveland, sewers in Ford Dr., $35,133, and Ridgebury Rd. $4,639; to Curro & Whittaker, Engineers Bldg., Cleveland, Brainard Rd. $23,837, Corydon Rd. $27,888, and Dorset Rd. $2,656. Grand total $103,253. Noted Dec. 23.

Mich., Saginaw — For 8 ft. horseshoe shaped rein.-con. sewer in 16th St., incl. tunnel under Pere Marquette R.R. tracks, to J. C. Stewart Co., Flint, $106,126.

Ill., Chicago—Bd. Local Impvts., Room 207, City Hall, tile pipe sewers with brick manholes and catch basins in portions East 90th Pl., Cornell, East End and Ridgeland Aves., to O. Sculley, 7568 Ladlin St.; in portion Creiger Ave., to Mancini & Ventrella, Chicago, in portion Lower Ave., to N. Fosco, 1117 Newberry Ave.; in portion Princeton Ave., to General Improvement Co., 945 West Randolph St.; in portion West 70th Pl., to F. Peyrot, 4207 Mormora Ave., in portions East 86th and East 87th Sts. Anthony, Paxton and Merrill Aves., to Tirtilli & Di Vito, Chicago.

Ill., Libertyville — Sanitary sewers in various streets, to P. Frandsen, Kenosha, Wis., $26,845.

Wis., Two Rivers—See "Materials."

Minn., Montgomery — F. J. Busta, city clk., disposal plant and 38,100 ft. 8- to 18-in. vitr. clay sewers, etc., in various streets, to P. Lametti, 665 Otsego St., St. Paul, $53,709. Noted Dec. 9.

Ark., Hot Springs—Small disposal plant in Sewer Dist. 86, to Merritt & Merritt, 360 Bway., $7,200; 30,000 ft. 6 and 8 in. sewers in same district, to McEachin & McEachin Home Insurance Bldg., Little Rock, $19,000. Noted Oct. 7.

Okla., Braman — New sewage disposal plant, and 32,500 ft. 6- to 12-in. vitr. clay sewers, etc., in all streets, to Asplund Constr. Co., Tecumseh, Neb., $32,000. Engrs. est. $40,000. Noted Dec. 23.

Okla., Ponca City—For 24,200 ft. 6- to 12-in. vitr. clay sewer extension in Sanitary Sewer Dist. 37, to Woodward Constr. Co., Ponca City, $27,936. Engrs. est. $30,000.

Okla., Pondcreek—Sewage disposal plant, Imhoff tank, and 28,900 ft. 8- to 15-in. sewers, etc., in all streets, to W. B. Carter, 1509 East Admiral St., Tulsa, $46,-892. Engrs. est. $50,000. Noted Dec. 23.

Okla., Seminole—Sanitary sewer extensions in Sewer Dist. 2, incl. 14,970 ft. 6- to 10-in. vitr. clay pipe, etc., to Bensen & Farrar, Guthrie, $24,400, engrs. est. $24,-975. Noted Dec. 23.

Calif., Huntington Park — Vitr. sewer, etc., in Slauson Ave., etc., to J. Chutuk, Wilcox Bldg., Los Angeles, $28,835. Noted Dec. 2.

Calif., Los Angeles — Bd. Pub. Wks., sewers in Annandale Blvd., to M. N. Guho, 5316 8th Ave., approximately $117,035. Noted Dec. 16.

Calif., Los Angeles—Bd. Pub. Wks., to M. N. Guho, 5316 8th Ave., improving 8th St., main sewer $108,750, and house connections $1 per ft., etc., total approximately $136,815.

Calif., Los Angeles—Bd. Pub. Wks., constructing Sect. 27 North Outfall Sewer, to Visalia Co., 308 Douglas Bldg., $154,600. Noted Dec. 2.

Calif., Los Angeles—Sewer in Stanley Ave. between 1st Alley south and Melrose Ave., to L. Massa, Route 12, Box 80-A, Bell, $52,658. Noted Dec. 30.

Calif., Los Angeles—Sewer in Burlingame Ave. between Montana and Vicente Blvds., to M. J. Simonovich, 727 Alpine St., $24,571. Noted Jan. 6.

Calif., Ventura — Constructing outfall sewer to Pacific Ocean, to Merritt-Chapman-Scott Corp., 1st Natl. Bank Bldg., Wilmington (on basis of 3,000 ft.). Noted Dec. 30.

Ont., Toronto—Vitr. tile sewers in Norway and Welland Aves., to Ronco Bros., 224 Rosemount Ave., $1,560; Lane West of Concord St., Trinity and Mill Sts., to Ruscica Bros., 84 Woody Crest Ave., $8,546; Lawrence Ave. W. and Poplar Plains Crescent, to Grant Contg. Co., 47 Wellington St. E, $9,580; also Greer Rd., Glengarry and Lawrence Aves. E., to Natl. Contr. Co., 9 Garnock Ave., $15,653. Grand total $35,339.

Ont., Toronto—York Twp., 8 in. and up vitr. tile sewers Baby Point Rd., in Trowell, Pritchard, Thornhill, Raymond and Halford Aves., to A. Cavotti, 257 Euclid Ave., $42,995; Bude St., Humbercrest Blvd., Whitmore, Briarhill, and Balfour Aves., to J. Mitchell, 50 Winnett Ave., $33,015; Times Rd., to Carson Constr. Co., 66 Yonge St., $24,593; Dundas St. Rutherford, Lapp and McCormick Aves.; to owners by day labor, $15,894. Grand total $126,497. Noted Nov. 4.

Waste Disposal

Proposed Work

O., New Boston—Plans issuing $50,000 bonds, incinerator plant.

Ind., Anderson—See "Sewers."

Bridges

Proposed Work

Conn., Bridgeport—Bridge Comn. rejected bids Jan. 10, 3 span 200 ft. concrete and steel double deck bascule span bridge and temporary draw bridge, incl. 60 ft. roadway, two 10 ft. sidewalks, etc., on Stratford Ave. $800,000. Noted Dec. 23.

Virginia—Eastern Virginia Bridge Co., C. M. Ward, 2314-A, Grove Ave., Richmond, pres., plans 3 steel and concrete bridges with draw spans, one over James River at Jamestown, one over York River at Yorktown and other over Nansemond River near Suffolk.

W. Va., Point Pleasant—See, "Gallipolis, O."

Miss., Heidelberg — See "Streets and Roads."

Tennessee—Dept. Highways & Pub. Wks., Nashville, plans 4 bridges over Tennessee River, and 1 over Obion River. $5,000,000. C. N. Bass, Nashville, comr.

Tenn., Decatur—Meigs Co. and State Dept. Highways & Pub. Wks., Nashville, making plans 180 ft. rein.-con. bridge over Senee Creek, here. $30,000. C. N. Bass, highway comr.

O., Gallipolis—C. E. Holzer, pres. Gallia County Ohio River Bridge Co., 514 1st Ave., and W. A. Windsor, pres. Mason Co. Ohio River Bridge Co., plan constructing bridge across Ohio River, connecting Kanauga, Ohio and Point Pleasant, W. Va. Approximately $800,000.

O., Lisbon—Comrs. Columbiana Co. take bids in spring, 500 ft. concrete bridge, 50 ft. at Wellsville, $60,000; one span 150 ft. concrete bridge, 50 ft. at Salineville, $25,-000-$30,000; one span 100 ft. concrete bridge, Peace Valley Park, $25,000; and one span 150 ft. concrete bridge over Beaver Creek. $30,000-$35,000. L. C. Kirk, Lisbon, engr.

Ind., Hammond — Making preliminary plans concrete bridge over Whitewater River, at South G St. $250,000. Engineer not selected.

Wisconsin — Barron Co. appropriated $7,996 for bridges during 1927, Bayfield Co. $2,600, Brown Co. $27,640, Buffalo Co. $63,188, Chippewa Co. $15,150, Clark Co. $18,651, Crawford Co. $6,598, Dane Co. $30,000, Dodge Co. $2,038, Door Co. $6,200, Douglas Co. $8,400, Dunn Co. $32,875, Eau Claire Co. $18,000, Forest Co. $2,661, Grant Co. $30,608, Green Co. $10,000, Iowa Co. $16,594, Jefferson Co. $3,765, Juneau Co. $2,000, Kewaunee Co. $9,032, La Crosse Co. $6,228, Lafayette Co. $16,000, Langlade Co. $3,763, Lincoln Co. $22,000, Manitowoc Co. $5,000, Marathon Co. $54,900, Marinette Co. $3,188, Marquette Co. $1,200, Monroe Co. $25,074, Oconto Co. $73,000, Outagamie Co. $22,353, Ozaukee Co. $5,000, Pepin Co. $4,000, Pierce Co. $19,800, Polk Co. $1,704, Richland Co., $39,683, Rock Co. $8,000, Rusk Co. $6,200, St. Croix Co. $3,089, Sauk Co. $14,932, Sawyer Co. $3,883, Shawano Co. $5,624, Taylor Co. $10,606, Trempealeau Co. $21,830, Vernon Co. $23,248, Vilas Co. $6,000, Waushara Co. $473, Winnebago Co. $19,000, and Wood Co. $27,190. C. H. Kirch, Madison, state bridge engr.

N. D., Minot—Comrs. Ward Co. take bids about Mar. 1, rein.-con. arch bridge over Mouse River. M. B. Stone, 916 New York Life Bldg., Minneapolis, Minn., structural engr. E. J. Thomas, Minot, co. engr.

Missouri—State Hy. Dept., Jefferson City, making plans three 20 ft. and three 40 ft. rein.-con. slab spans, etc., over Beaver Dam Creek, Audrain Co.; two 10 ft. rein.-con. slabs, etc., over stream, two 12 ft. rein.-con slab spans, etc., over Allens Branch, and one 45 ft. rein.-con. deck girder span, etc., over Jesse Branch, all Calloway Co.; one 40 ft. rein.-con. deck girder span, etc., over each of Little Wakenda Creek, Shootman Creek and stream, also two 12 ft. rein.-con slab spans, etc., over stream, all Carroll Co.; three 30 ft. rein.-con. deck girder spans, etc., over Little Black River, Carter Co.; four 35 ft. rein.-con. slab and 100 ft. steel truss span, etc., over Mussel Fork River, Chariton Co.; three 30 ft. rein.-con. deck girder spans, etc., over overflow Merrimac River, and two 150 ft. steel spans, etc., over Merrimac River, both Dent Co.; also sixteen 30 ft. and one 50 ft. rein.-con. deck girder spans, etc., over Chicago Great Western R.R. tracks, Platte Co. B. H. Piepmeier, ch. engr.

Tex., Cold Springs — See "Streets and Roads."

Tex., Comanche — See "Streets and Roads."

Tex., Conroe—See "Streets and Roads."

Okla., Tulsa—Tulsa Co. plans new steel bridge over Arkansas River. $400,000. H. A. Parker, Tulsa, engr.

Ont., Scarborough—Making plans rein.-con. and steel bridges and culverts, on various roads. $27,000. C. E. Fraser, 1361 Kingston Rd., Toronto, engr.

Ont., Toronto — Voted $25,000 bonds constructing timber bridge and grading, in connection with New Glen Rd. Bridge. R. C. Harris, City Hall, engr. Noted Nov. 2

Bids Desired

Mass., Winchendon — Feb. 5, by Town concrete and granite arch bridge over Mason and Parker's Pond, on Spring St. $25,000. L. E. Moore, 73 Tremont St., Boston, engr.

Pa., Phila. — Jan. 18, by C. E. Walsh, purch. agt. Pennsylvania R.R., at 17th and Filbert Sts., steel superstructure and machinery for bridge, Contr. 16-1927. A. C. Shand, Broad St. Sta., ch. engr. railroad

Pa., Phila.—Jan. 19, by Dept. Pub. Wks., Bureau of Engineering, 6 track 80 x 80 ft. steel plate girder bridge on concrete abutments, concrete flooring on I St. under connecting railway tracks.

Pa., Pittsburgh—Jan. 20, by Dept. Pub. Wks., E. D. Lang, dir., reconstructing Millvale Ave. Bridge over Pennsylvania R.R. tracks. $338,000.

Pa., Reading—Feb. 2, at office City Clerk, 900 ft., rein.-con. arch viaduct, 70 ft., on Mineral Spring Rd. E. C. Weber, city engr.; adv. E. N.-R. Jan. 13.

Virginia—See "Streets and Roads."

Michigan—Jan. 24, by State Hy. Dept. at Sandusky, S. R. Bridge 742302, Contr. 3, 110 ft. low truss, Sanilac Co. E. R. Benkert, Port Huron, resident engr.

Wisconsin—Jan. 18, by State Hy. Comn., Div. Office 8, 1st Natl. Bank Bldg., Superior, constructing Upper Yellow River Bridge, 60 ft. girder span, on Federal Aid Project 407-B, Burnett Co.; Earl Bridge, 70 ft. plate girder span, Federal Aid Project 406-D, Washburn Co.; Beaver Dam Bridge, 14 ft. rein.-con. slab span, State Trunk Highway 24, and Tom Tom Bridge, 24 ft. concrete slab span, State Trunk Highway 48, both in Cumberland City, Barron Co. J. T. Donaghey, Madison, ch. engr.

Bids Received

Mass., Boston—Dept. Pub. Wks., rebuilding spans 11 and 12 of Bway. Bridge over New York, New Haven & Hartford R.R. tracks, from Boston Bridge Wks., 47 Winter St., Boston, $69,628; and rebuilding West Newton St. Bridge over above railroad tracks, from A. G. Thomascello & Son, 68 Devonshire St., $34,135. Noted Dec. 16.

Wis., Green Bay — A. E. Kringel, city engr., Jan. 6, restoring and repairing damaged portions of bascule span, pier fender and west abutment, also furnishing in place superstructure 140 ft. steel through truss span of Mason St. Bridge, from Wisconsin Bridge & Iron Co., North Milwaukee, $27,300. Noted Dec. 16.

Oklahoma—State Hy. Dept., Oklahoma City, Dec. 21, **(e. e. means engrs. est.)** 3 span, 106 ft. rein.-con. trestle bridge at Vian, Sequoyah Co., and 3 span 136 ft. rein.-con. trestle bridge, at Tuskahoma, Pushmataha Co., from Goulby & Epperson, Pryor, $18,399 and $26,337 respectively e. e. $25,000 and $34,000 respectively; 59 span 1,160 ft. pile trestle bridge, at Cleo, Payne Co., from D. Sweeney, Blanchard, $33,954 e. e. $40,000; and 1 span 66 ft. overhead crossing over Rock Island R.R. tracks, at Dover, Kingfisher Co., from C. B. Rice, Kingfisher, $13,983 e. e. $25,000. Noted Dec. 16.

Oklahoma—State Hy. Dept., Oklahoma City, 1 span 412 ft. steel and concrete bridge at Chickasha, Grady Co., from Austin Bridge Co., Austin, Tex., $74,812, engrs. est. $85,000; and 5 span steel truss bridge on concrete piers at Ripley, Payne Co., from Pioneer Constr. Co., 270 Glover Bldg., Kansas City, Mo., $135,759, engrs. est. $50,000. Noted Oct. 7.

N. M., Las Cruces—State Hy. Comn., at office, E. R. Mallery, highway engr., Santa Fe, Dec. 28, constructing eighteen 40 ft. and one 50 ft. rein.-con. bridge at Young Ave. on Federal Aid Project 107-B, Dona Ana Co., from Goetting & Porter, Las Cruces, $73,889. Noted Dec. 16.

California—State Harbor Comn., Sacramento, constructing 65,000 cu.yd. rock fill at Piers 30 and 32, from J. P. Holland, 540 Brannan St., $0.54 per cu.yd.

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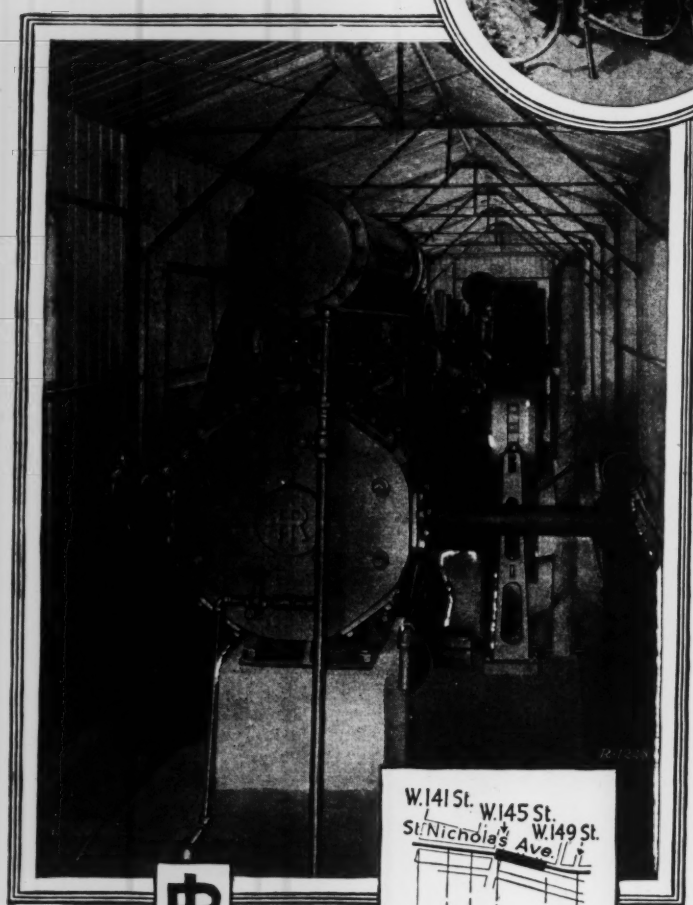

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Bridges (Continued)

Contracts Awarded

New York — A. W. Brandt, comr. Dept. Pub. Wks., Albany, constructing Bridge 8, on Bolivar-Wellsville Highway, Part 2, Highway 8253, Allegany Co., to Standard Eng. & Contg. Co., 36 State St., Albany $38,471 and Bridge 1, on Highway 5103, Stottville-Stuyvesant Falls Rd., Columbia Co., to Riteway Contr. Corp., 299 Bway., New York City $118,233; reconstructing Bridge 7, Repair Contr. 3157, on Highway 5234, Liberty-County Line Rd., Part 2, Sullivan Co., to Frank Lewis & Sons, Afton $35,459, Bridge 2, Repair Contr. 1555, on Highway 1563, Chatham-Chatham Center Highway, Columbia Co., to D. B. Riggs, 157 3rd St., Troy $45,623, and Bridge 1, Repair Contr. 1551, on Highway 198, Delaware Turnpike, Albany Co., to F. E. Antolick, Schaghkicoke $6,235. Grand total $244,021. Noted Jan. 6.

New Jersey—State Hy. Comn., Trenton, longitudinal beam rein.-con. bridge across South River near Mays Landing, Atlantic Co., to F. L. Grant, Harrisburg, Pa., $19,983; also 2 bridges across North and South Channels, Shark River, between Belmar and Avon, Monmouth Co., to Parker & Graham, 5 Colt St., Paterson, $397,392. Noted Jan. 6.

Virginia—State Hy. Dept., Richmond, 3 bridges over Wolf Creek and 1 over Hunting Creek, Project S-406-E, F, G and H, Route 26, Bland Co., to M. S. Mudkins, Roanoke $45,964, bridge over Wallens Creek, Project S-481, Route 10, Lee Co., to Jenkins Constr. Co., Norton $6,369, and bridge over Nottaway River, Project F-455-B, Route 31, Dinwiddie and Brunswick Counties, to Hedgedorn Constr. Co., Greensboro, S. C. $33,773; grading, etc. 1.77 mi. highway. Project S-335-B, Route 323, Lunenburg Co., to Central Constr. Co., Victoria, $13,359. Grand total $112,669. Noted Dec. 16, under "Streets and Roads."

W. Va., Stone Cliff—Fayette Co. (Fayetteville) substructure bridge across New River, here, to Atlantic Bridge Co., Greensboro, N. C., $62,804. Noted Dec. 9.

North Carolina — State Hy. Dept., Raleigh, rein.-con., bridges, etc. on Project 304 Bladen Co., to J. L. Brinkley, Thomasville, $26,441, on Project 874 Rutherford Co., to T. A. Loving & Co., Goldsboro, $52,385, on Project 778 Wilkes Co. and Project 872 Rutherford Co., to E. A. Wood & Co., Andrews, $46,998 and $34,210 respectively, on Project 649 Mecklenburg Co., to J. S. Bowers, Whiteville, $43,976, and on Project 867 Polk Co., to Kiker & Yount, Reidsville, $53,110. Grand total, $257,120. Noted Dec. 30.

Georgia—State Hy. Dept., East Point, 2 bridges on Louisville-Swainesboro Rd., Federal Aid Project 168-A, Jefferson Co., to G. A. Thomason & Co., Macon, $66,159; 1 central and 2 approach spans concrete bridge, on Savannah-Dorein Rd., Liberty Co., to W. P. MacDonald Constr. Co., Lakeland, Fla., $32,929; and 2 span 208 ft. steel and concrete bridge over Altamaha River, at Baxley, Lyons Co., to Roanoke Iron & Bridge Wks., Roanoke, Va., $260,000. Grand total $359,088. Noted Dec. 16.

Florida—State Road Dept., Tallahassee, 120 ft. rein.-con. overhead crossing Federal Aid Project 50-A, Road 14, Putman Co., to C. T. Dawkins, Zack and Ashley Sts., Tampa, $20,221; 35 ft. span 915 lin.ft. Projects 655 and 667, Rd. 18, Highlands and DeSoto Counties, to Okeechobee Constr. Co., Okeechobee, $45,461; and 488 ft. creosoted timber bridge over Perdic River, Project 697, Rd. 1, Escambia Co., to C. H. Turner Co., 17½ South Palafox St., Pensacola, $20,829. Noted Dec. 23.

Fla., Jacksonville — Comrs. Duval Co., Court House, 3 span 202 ft. combination arch slab bridge on road to Atlantic Beach, to Dean Constr. Co., Wash., D. C., $48,059. Noted Dec. 16.

Wis., Two Rivers—City Clark, City Hall, steel bascule bridge over West Twin River at Washington St., to Milwaukee Bridge Co., 1400 34th St., Milwaukee $145,340. Noted Dec. 30.

Iowa—Auditor Clinton Co. (Clinton) 1 two span high truss bridge on Federal Aid Project 302, Clinton and Scott Counties, to A. Olson Constr. Co., Waterloo, $61,900. Noted Dec. 16.

Kan., Girard—Crawford Co., 130 ft. rainbow arch bridge, on Federal Aid Project 372, Sect. A, and grading 0.989 mi. roadway approach, to F. Luttjohann, 2053 Kansas St., Topeka, $23,894 and $9,928 respectively.

Kan., Hutchinson—Reno Co., eight 45 ft. deck girder span bridge on Federal Aid Project 15-G, to Tomlinson Bridge & Supply Co., Garfield, $43,993; and seven 19 ft. timber trestles on same road to Finley-Butt Constr. Co., Nebraska City, Neb., $8,580. Noted Dec. 2.

Mont., Perma—A. J. Davis, clk. Sanders Co., Thompson Falls, 2 span 208 ft. steel bridge with 1 concrete center pier and 2 concrete abutments, etc. over Flathead River, near here, to McGuire & Blakeslee, Great Falls, using old steel $39,770, and new steel $74,975.

California—Amer. Toll Bridge Co., 525 Market St., San Francisco, concrete roadway and sidewalks for bridge over Carquinez Straits, between Contra Costa and Solano Counties, to Duncanson-Harrelson Co., DeYoung Bldg., San Francisco, approximately $115,000.

Calif., Los Angeles — Los Angeles Co., Dec. 27, rein.-con. bridge over Eaton Wash, on San Pasqual St., to A. O. Nelson, 136 North Huntington Dr., Pasadena, $26,485. Noted Dec. 16.

Dams

Proposed Work

Conn., East Hampton—See "Buildings—Industrial."

Okla., Sayre—Southwest Light & Power Co., Braniff Bldg., Oklahoma City, plans new lake and dam on Timber Creek, here, for power purposes. $141,000. E. R. Ernsberger, Braniff Bldg., Oklahoma City, engr.

Que., St. Alban—See "Buildings—Industrial."

Railways

Proposed Work

Minnesota—Minneapolis Street Ry. Co., H. Lowry, pres., 1 South 11th St., Minneapolis, plans expending $500,000-$800,000, extensions, replacements, new equipment, etc., in Minneapolis.

Texas — Houston Port Comn., Houston, making plans and takes bids about Feb. 1, extending railway system of Port Comn. along Ship Channel, incl. 15 mi. additional tracks in Houston. $500,000. C. Crotty, 1404 Welch St., Houston, engr.

New Brunswick—Canadian Pacific Ry., Windsor Sta., Montreal, J. M. R. Fairbairn, ch. engr., plans ballasting 25 mi. between here and McAdam, all of Fredicton Branch, and 40 mi. on Spogomoc subdivision, $169,000; improving New Brunswick Div., approximately $700,000; and replacing present 70 ft. turntable with 90 ft. turntable, at Bay Shore Yards, $46,400, here.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

O., Cleveland—New York, Chicago & St. Louis R.R. Co., A. C. Harvey, ch. engr., Prospect Ave. and East 2nd Sts., making plans retaining wall at Hill and Commercial Rds. $50,000. W. J. Bergen, Columbia Bldg., Cleveland, engr.

Wis., Waukesha — Park Bd. C. F. Schueltze, pres., soon takes bids approximately 100,000 cu.yd. dredging in park, 3rd Ward. To exceed $25,000. A. R. Schuh, City Hall, engr.

Ia., Glenwood—Mills Co. making preliminary plans 4 mi. drainage ditch at Pacific Junction, incl. 200,000 cu.yd. excav., drainage 6,000 acres, etc. Towle, Nelson & Schwartz, 525 Peters Trust Bldg., Omaha, Neb., engrs.

Ia., Orange City—Comrs. Sioux Co. plan 2.5 mi. drainage ditch, near here. $30,000. K. C. Gaynor, 525 Trimble Bldg., Sioux City, engr.

Minn., St. Cloud—Plans dredging Lake George. $30,000. H. V. Feehan, 1004 Marquette Ave., Minneapolis, landscape archt.

Neb, Peru—Making plans draining 4,000 acres of land near here, incl. 150,000 cu.yd. excavation. Towle, Nelson & Schwartz, 524 Peters Trust Bldg., Omaha, engrs.

Tex., Bay City—Matagorda Co., c/o E. N. Gustafson, co. engr., making preliminary surveys, etc., approximately 26 mi. levees on West side Colorado River. $685 000.

Tex., Brownsville—Cameron Co. voted $600,000 bonds, drainage system in El Jardin Dist. Address W. O. Washington, Brownsville, co. engr. Noted Dec. 23.

Tex., Electra—R. T. Johnson, secy. District to be organized, plan irrigation 200,000 and 300,000 acres between Quanah and Burkburnett, on Pease and Red Rivers. $5,000,000.

Tex., Houston—Trinity Portland Cement Co., Santa Fe Bldg., making plans and soon takes bids approximately 600 lin.ft. wharf, approximately 600 wood piles and retaining wall. $125,000. D. M. Duller, 2nd Natl. Bank Bldg., engr.

Tex., Houston — Houston Port Comn. making plans and takes bids about Apr. 15, filling in and extending Wharfs 14 and 15, rein.-con., also extending gallery system of grain elevator. $1,000,000. C. Crotty, 1404 Welch St., Houston, engr.

Tex., Houston—See "Unclassified."

Tex., McAllen—McAllen Drainage Dist., c/o Dist. Comrs., voted $75,000 bonds drainage and irrigation improvements, incl. concrete lining canals in present system, etc.

Tex., Orange — Orange Co. Drainage Dist., D. E. Roach, chn., Orange, retained F. Shutts & Sons, engrs., Lake Charles, La., to make tentative plans and prepare cost estimate for drainage of county.

Tex., San Benito—Wayne Wood, c/o 1st Natl. Bank, Brownsville, plans irrigating 2,000 acres, etc., near here. Private plans.

Okla., Muskogee—Muskogee Co. making preliminary plans drainage district on Verdigris River, incl. 500,000 cu.yd. floating dredgework, etc. $42,000. C. R. Morgan, Metropolitan Bldg., engr.

Ont., Moorefield—Maryboro Twp. plans dredging, excavating and constructing 5 mi. drain. $25,000. W. W. Scott, Moorefield, clk. Engineer not selected.

Bids Desired

New York — Feb. 8, by T. F. Farrell, comr. Canals and Waterways, Albany, bank protection at various locations along Sects. 2, 3 and 4 Erie Canal from Crescent to Frankfort, adv. E. N.-R. Jan. 13.

Fla., Jacksonville—Jan. 17, by E. Cotton, dir. Pub. Serv., 2,000 cu.yd. dredging, 8,440 cu.yd. fill, 220 ft. timber sea wall, etc. B. M. Duncan, city engr.

Fla., Miami—Jan. 17, by City Com., at office H. E. Ross, city clk., City Hall, constructing sea wall, also dredging 2,000 cu. yd. and filling 8,400 cu.yd. adjoining Point View Subdivision, Dist. W. F. 1-A.

Ark., Walnut Ridge—Jan. 20, by Commissioners Village Creek D. D., at office G. M. Gibson, atty., 2,000,000 cu.yd. excav. in Village Creek and Laterals. H. R. Carter, 313 Exchange Bank Bldg., Little Rock, engr.

Bids Received

Mo., St. Joseph—See "Streets and Roads."

Contracts Awarded

Calif., Hanford—R. May, engr., Courthouse, constructing ditch, 105,583 cu.yd. earthwork, to J. Phillips, 637 Santa Ray Ave., Oakland, at $0.145 per cu.yd. Noted Dec. 23.

Calif., San Francisco — State Harbor Comn., Ferry Bldg., constructing 65,000 cu. yd. rock fill at Piers 30 and 32, to J. F. Holland, 540 Brannan St., San Francisco, at $0.54 per cu.yd.

Calif., Venice—For 85,000 yd. fill for canals, to E. Schelling, Markham Bldg., Hollywood, at $0.53 per yd.

Streets and Roads

Proposed Work

Mass., Dorchester (br. Boston)—Dept. Pub. Wks., Boston, plans layingout and constructing St. Marks St. as highway here. $25,000. J. H. Sullivan, comr.

Mass., Duxbury—Plans extending Congress and Washington Sts. along Highway to Milbrook. $40,000. Engineer not selected.

N. J., Wildwood—Plans bituminous paving various streets. $175,000. H. Weir, city engr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, plans improving 10 mi. Milan-McKenzie Rd. (via Trezavant), Gibson and Carroll Counties; and 12 mi. Pulaski-Lincoln Co. line Rd., Giles Co., C. N. Bass, highway comr.

Tennessee — Lincoln Co. (Fayetteville) and State Hy. Dept., Nashville, making surveys improving 15 mi. Fayetteville-Pulaski Rd., State Rd. 15.

Tennessee — Roane Co. (Kingston) and State Hy. Dept., Nashville, plans constructing 8 mi. road from Kingston to Meigs Co. Line Rd.

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Streets and Roads (Continued)

Tenn., Cleveland—Plans grading and paving 6 blocks Main St., 76 ft. $46,000. Long & Co., Bennie Dillon Bldg., Nashville, engrs.

Tenn., Henderson—Chester Co. and State Dept. Highways & Pub. Wks., Nashville, plan improving 5 mi. State Road 5 from Henderson to McNairy Co. line. C. N. Bass, highway engr.

Tenn., Jamestown — Fentress Co. and State Dept. Highways & Pub. Wks., Nashville, making surveys improving 10 mi. State Road 37, to Allardt. To exceed $25,000. Fentress Co. plans expending $400,000 on county and state roads during 1927.

Tenn., South Pittsburg—See "Sewers."

Tenn., Union City—Obion Co. and State Dept. Highways & Pub. Wks., Nashville, made surveys improving 15 mi. Kenton-Union City Rd. C. N. Bass, highway comr.

O., Canton—Stark Co. plans improving 3 mi. East Canton-Louisville Rd., 16 ft. $50,000. A. M. Wise, Canton, engr.

O., Hamilton—W. R. Conklin, surv. Butler Co., plans widening and relocating Coles Rd. $28,500.

O., Lisbon—Comrs. Columbiana Co. take bids in spring, grading 7.58 mi. East Palestine-East Liverpool Rd. $54,000, 5 mi. Elkton-Clarkson Rd. $51,000, and 5.35 mi. Salineville-Lisbon Rd. $50,000, all foregoing 20 ft.; grading and 16 ft. concrete topping 4.57 mi. Summitville-Salineville Rd., $128,000; widening 1.05 mi. Kensington and East Rochester Rd. 20 ft., $34,000; grading and hard-surfacing 4.57 mi. Rogers-Negley Rd. $165,000, and probably macadam hard-surfacing 7.38 mi. Salem-Hanoverton Rd. $195,000, both 16 ft. L. C. Kirk, Lisbon, engr.

O., Ravenna—Comrs. Portage Co. take bids in spring, improving 2 mi. Deerfield-North Benton Rd. $50,000, and 0.2 mi. Ravenna-Streetsboro Rd. $50,000, both 16 ft.

O., Zanesville—Comrs. Muskingum Co. take bids in spring improving 6 mi. Rex Mills Rd., 30 ft., $100,000; and concrete paving 3½ mi. Fraysburg-Nashport Rd., $127,000.

Ind., Anderson—Madison Co. plans curbing and concrete paving 1 mi. Dewey and 18th Sts. $35,000. Address County Surveyor, Court House, Anderson.

Ind., Anderson — Madison Co. making plans curbing, concrete or asphaltic macadam paving ¾ mi. Morton, 16th and Cedar Sts., 30 ft. $28,000. A. B. Steele, Court House, engr.

Ind., Terra Haute—Vigo Co., plans constructing 3,832 ft. Spruce St. or McCollister Rd. $28,710, 3.071 mi. Collett Ave. or Thronhill Rd. $22,524, 24th St. or Colling Rd. $16,644, 21st St. or Murphy Rd. $19,793, 11th St. or Daniels Rd. $14,496, and 14th St. or Williams Rd. $9,439. J. Drecher, 804 South 4th St., aud.

Mich., Monroe—Making plans widening and concrete paving approximately 100,000 sq.yd. Monroe St. $300,000. V. Nueman, Monroe, engr.

Mich., Mount Clemens—Macomb Co., making plans grading and one course concrete paving 13 mi. Dequindre Rd., 20 ft. W. J. Lehner, Mount Clemens, engr.

Ill., East St. Louis—Takes bids about Apr. 1, grading, curbing, sewers and 8 in concrete paving 33,100 sq.yd. Renshaw Ave. Paving Dist. $159,000. W. McK. Brown, City Hall, engr. Noted Jan. 6.

Wisconsin—Adams Co. appropriated $39,913, maintaining State Trunk Highway System during 1927, Barron Co. $54,125, Bayfield Co. $57,702, Brown Co. $61,735, Buffalo Co. $50,841, Calumet Co. $50,294, Chippewa Co. $63,649, Clark Co. $84,148, Columbia Co. $101,363, Crawford Co. $50,018, Dane Co. $154,696, Dodge Co. $86,240, Door Co. $37,983, Douglas Co. $55,399, Dunn Co. $55,709, Eau Claire Co. $60,959, Fond du Lac Co. $67,110, Forest Co. $40,448, Grant Co. $98,924, Green Co. $35,000, Green Lake Co. $25,086, Iowa Co. $58,026, Iron Co. $30,806, Jackson Co. $63,154, Jefferson Co. $83,465, Juneau Co. $45,624, Kenosha Co. $28,273, Kewaunee Co. $35,187, La Crosse Co. $41,324, Lafayette Co. $63,809, Langlade Co. $40,156, Lincoln Co. $50,191, Manitowoc Co. $63,078, Marathon Co. $81,416, Marinette Co. $51,028, Marquette Co. $24,810, Milwaukee Co. $46,334, Monroe Co. $65,693, Oconto Co. $75,395, Oneida Co. $67,510, Outagamie Co. $58,392, Ozaukee Co. $32,507, Pepin Co. $25,074, Pierce Co. $55,616, Polk Co. $55,017, Portage Co. $57,587, Racine Co. $41,699, Richland Co. $46,967, Rock Co. $72,216, Rusk Co. $38,367, St. Croix Co. $62,299, Sauk Co. $105,124, Sawyer Co. $45,305, Shawano Co. $83,678, Sheboygan Co. $96,497, Taylor Co. $38,883, Trempealeau Co. $104,954, Vernon Co. $66,683, Vilas Co. $37,456, Walworth Co. $57,967, Washburn Co. $50,215, Washington Co. $47,491, Waukesha Co. $77,459, Waupaca Co. $61,878, Waukesha Co. $46,311, Winnebago Co. $47,353, and Wood Co. $57,400. N. M. Isabella, Madison, maintenance engr.

Wis., Cudahy—C. Wolbert, city clk., making plans concrete paving, etc. 60,000 sq.yd. 6 streets. $130,000. Steinhagen & Steinhagen, 2725 State St., Milwaukee, engrs.

Wis., Durand—Pepin Co. making plans graveling 2 mi. State Project 6926, Trunk Highway 18. $50,000. A. Woishapple, Durand, highway comr.

Wis., Lancaster — Grant Co., H. Mink, highway comr., plans grading and crushed stone surfacing State Trunk Highway 61, McKimmey Hill Rd., $40,000; State Trunk Highway 61, Sampson Hill Rd., $29,000; Mound Branch Rd., State Trunk Highway 80, $11,000; Woodman-Mt. Hope Rd., State Trunk Highway 132, $29,706; County Trunk G, $15,000; County Trunk O, $8,000; County Trunk A, $18,000; County Trunk E, $5,000; and State Trunk Highway 132, $22,000.

Wis., Richland Center — Richland Co. voted $129,000 bonds, improving various roads. E. H. Martin, Richland Center, co. clk.

Wis., Shawano—D. E. Wescott, city clk., takes bids in February, rein.-con., sheet asphalt, bitulithic or amiesite paving, etc., 30,000 sq.yd. various streets. To exceed $25,000. L. P. Pelishek, Clintonville, engr.

Ia., Anamosa—Takes bids in spring and summer, grading, curbing and concrete, vibrolithic concrete, asphaltic concrete, asphalt, warrenite, bitulithic or brick paving, etc., 67 blocks various streets. H. R. Green Co., 208-10 Bever Bldg., Cedar Rapids, engrs. Noted Dec. 2.

Ia., Knoxville—Marion Co. plans grading, etc., 9 mi. Primary Rd. 6 from Attica to Hamilton. R. T. Johnson, Knoxville, co. engr.

Ia., Lorimor—Soon takes bids grading, curbing, guttering, and graveling about 17,000 sq.yd. various streets. $25,000. Henningson Eng. Co., 12th and Harney Sts., Omaha, Neb., engrs.

Minn., Crookston—Plans paving 8 blocks Bway. $28,000. B. M. Loken, city clk.

Minn., Hastings—Plans paving, etc. 1.5 mi. Vermilion St. $45,000.

Minn., Hokah — Plans paving, etc. 10 blocks Main St. $35,000. W. W. Becker, city clk.

Minn., Jackson — Making plans paving, etc., 48,000 sq.yd. various streets. $150,000. S. A. Siverts, 300 Builders Exch. Bldg., Minneapolis, engr.

Minn., New Ulm—Making plans having approximately 20 blocks, State Center and North Minnesota Sts. $70,000. F. D. Minium, city engr.

Minn., St. Paul — Making plans paving 1.5 mi. Mt. Curve Blvd. $60,000. G. M. Shepard, city engr.

Kan., Atwood—Rawlins Co. plans gravel surfacing 12 mi. Highway 2, $30,000. E. L. Lemen, Atwood, engr.

Kan., Lyons—Rice Co. soon takes bids grading, brick or concrete paving, etc., 1.48 mi. Plum St., 18 ft. S. Ainsworth, Court House, engr. Kansas Eng. Co., 601 Kansas St., Topeka, consult. engrs.

Kan., Manhattan—Riley Co. plans grading, etc., 3.442 mi. Federal Aid Project 327-C, 30 ft. A. J. Rhodes, Manhattan, co. engr.

Kan., Newton—Takes bids in Febuary concrete and vibrolithic concrete paving 16 blocks various streets. To exceed $25,000. Shockley Eng. Co., 800 Graphic Art Bldg., Kansas City, Mo., engrs.

Kan., St. Francis — Cheyenne Co. soon takes bids sand clay surfacing 13.702 mi. Federal Aid Project 145-A and B, 18 ft., and grading 0.847 mi. Federal Aid Project 378-A, 30 ft. H. G. Moody, Court House, engr.

Kan., Sharon Springs—Soon takes bids grading, graveling, etc., 8.2 mi. Federal Aid Project 375-A and B, 18 ft. H. R. Hillman, Court House, engr.

Kan., Winfield—Cowley Co. soon takes bids grading, 4 underpasses and concrete paving 3.5 mi. on Federal Aid Project 231-G. B. Boyle, Court House, engr.

Neb., Emerson—Making plans various types paving 25 streets. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia.

Neb., Gering—Making preliminary plans grading, curbing, and concrete paving, etc. 9 blocks O St.

Missouri — State Hy. Dept., Jefferson City, making plans grading and 30 ft. grading approximately 52 mi. roads in 9 counties; 18 ft. graveling approximately 55 mi. roads in 7 counties; and 18 ft. concrete paving, etc. 18 mi. roads in 4 counties. B. H. Piepmeier, ch. engr.

Mo., Joplin—See "Unclassified."

Mo., Joplin—Received no bids asphaltic concrete paving 6,700 sq.yd. Bird Ave. Will readvertise. S. P. Ashcraft, Jr., City Hall, engr. This corrects report in Dec. 30 issue.

Mo., Kansas City—Making plans widening and paving 15th St. from Campbell to Baltimore Sts. $100,000. R. Waddell, city engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, making preliminary plans asphalt or warrenite bitulithic concrete repaving, etc. Kingshighway-Southwest between Wilmington and Carlsbad Aves. $110,000; warrenite, amiesite or asphalt repaving Madison St. between Jefferson and Webster Sts., $49,300-$49,900; and asphalt, amiesite or warrenite bitulithic repaving Webster Ave. between Easton St. and Laflin and Smith Addition, $43,300-$43,900. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, made plans asphaltic concrete paving, etc., 1,760 sq.yd. Pennsylvania Ave., $14,400, 1,990 sq.yd. Michigan St. $7,200, 2,130 sq.yd. Pennsylvania Ave. between Lafayette and Geyer Sts. $8,500, and 2,395 sq.yd. Anderson St. $15,600; amiesite or concrete paving, etc., 4,300 sq.yd. Grace St. $33,550, and 1,760 sq.yd. Harris St. $14,630, 3,260 sq.yd. Clara Ave. $14,600; vitr. brick paving, etc., 3,440 sq.yd. Penrose Ave., $22,850; rein.-con. paving, etc., 950 sq.yd. Jessica Ave. $6,300, 830 sq.yd. Christian Ave. $4,860, and 1,320 sq.yd. Laura St. $6,960; warrenite bitulithic on concrete paving, etc., 2,320 sq.yd. Eiler St. $16,050, and 2,145 sq.yd. Geyer Ave. $11,500; concrete paving, etc., 1,665 sq.yd. Thrush St., $9,300; recut granite block paving, etc., 11,460 sq.yd. Vanderventer St., $100,000; granite block paving, etc., 11,300 sq.yd. Vanderventer St., $85,500; and asphalt paving, etc., 830 sq.yd. 21st St. $5,900. W. W. Horner, 300 City Hall, engr.

Ark., Ft. Smith—Election Jan. 25, $360,000 bonds, opening 7 streets between Rogers and Garrison Aves. and widening South 7th and 8th Sts. W. H. Evans, City Hall, engr.

Ark., Hope—Takes bids in spring grading, curbing, guttering, etc., streets in Paving Dist. 2, $35,000; and grading, concrete paving, etc., 20,000 sq.yd. streets in Paving Dist. 6, $35,000. W. T. Field, 338-9 Gazette Bldg., Little Rock, engr. Noted Nov. 18.

Ark., Springdale — Making preliminary plans paving various streets. To exceed $25,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs. Noted Dec. 16.

Tex., Belleville—Austin Co. making plans gravel and waterbound macadam paving 9.16 mi. Highway 36, 18 ft. $120,000. H. Schroeter, Belleville, co. engr.

Tex., Center—Shelby Co. making plans grading and gravel surfacing, etc., 6.306 mi. Highway 26-A, 26 ft. $55,000. C. R. Newton, Henderson, engr.

Tex., Cold Springs — San Jacinto Co. making plans grading, bridging, and gravel surfacing, etc., 7.6 mi. Highway 35, 26 ft. $124,800. J. E. Johnson, Cold Springs, resident engr.

Tex., Comanche—Comanche Co. making plans grading, bridging, etc., 9.67 mi. Highway 10, 26 ft. $56,000. W. H. Garrett, Comanche, resident engr.

Tex., Conroe — Montgomery Co. takes bids about Jan. 18, grading, bridging, and gravel surfacing 6.31 mi. Highway 19. $108,000. J. R. Spiller, Cold Springs, engr.

Tex., Corpus Christi—See "Unclassified."

Tex., Dallas—Dallas Co. making plans concrete paving 1.59 mi. Highway 40, 20 ft. $60,000. R. H. Clinger, Dallas, co. engr.

Tex., Gatesville — Coryell Co. making plans sledged stone and bituminous macadam topping 1.358 mi. Highway 7, 20 ft. $28,000. D. C. Fischer, Gatesville, engr.

Tex., Jourdanton—Atascosa Co. making plans rock asphalt on macadam paving 8.37 mi. Highway 9, 18 ft. $200,000. J. V. Curnette, Jourdanton, co. engr.

Tex., Moulton—Lavaca Co. plans asphalt surfacing 10 mi. highway from Fayette Co. line to Henkhaus, 18 ft. $251,000. W. H. Koether, Moulton, co. engr.

Tex., San Antonio—See "Unclassified."

Tex., San Benito—See "Unclassified."

Tex., Seguin — Guadalupe Co. election Jan. 18, $480,000 bonds, hard paving highway radiating from here. Address J. B. Williams, Seguin, co. judge.

Tex., Seguin — Guadalupe Co. election about Jan. 15, $350,000 bonds, hard paving 13 mi. highway. Address County Judge, Seguin.

Oklahoma — State Hy. Dept., Oklahoma City, made plans concrete slab surfacing 46,680 sq.yd. State Highway 11. $100,000. J. M. Page, highway engr.

Okla., Chickasha—Making plans grading, curbing and concrete paving 9,170 sq. yd. Dakota St. and 7 blocks alleys. $30,226. R. O. Bradley, Chickasha, engr.

Okla., Cordell—Washita Co. voted $800,000 bonds, hardsurfacing State Highways

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Streets and Roads (Continued)

3, 14 and 41. Federal Aid appropriates $800,000 toward cost. Noted Jan. 6.

Okla., Frederick — Plans grading and vertical fibre brick paving 9,400 sq.yd. Dist. 21. $33,600. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Okla., Hydro — Plans grading, curbing and concrete paving 8,870 sq.yd. Main St. $29,744. Musson & Co., Grain Exch. Bldg., Oklahoma City, engrs.

Okla., Kiowa—Making preliminary plans grading, curbing and concrete paving 21,380 sq.yd. Main St. and Bway. $70,000. J. F. Hendricks, mayor. Engineer not selected.

Okla., Lindsay—Plans grading, curbing, guttering and graveling 5,000 cu.yd. various streets. $44,000. Long & Co., Colcord Bldg., Oklahoma City, engr.

Okla., Pawhuska—Osage Co. election Jan. 25, $100,000 bonds, gravel surfacing 80 mi. roads in Caney Twp., 30 ft. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

Okla., Pond Creek — Made preliminary plans grading and paving 1 mi. Main St., 30-76 ft. $35,000. M. E. Allen, city clk. Engineer not selected.

Okla., Oklahoma City—Plans grading, curbing, concrete paving 4,600 sq.yd., and sheet asphalt paving 3,700 sq.yd. Klein and Lee Sts. $32,380. B. M. Hart, City Hall, engr.

Okla., Oklahoma City — Making plans grading and concrete paving 7,410 sq.yd. alleys in Gault's Addition. $28,200. B. M. Hart, City Hall, engr.

Okla., Oklahoma City—Making plans grading, curbing and concrete paving 7,600 sq.yd. West 18th St. $32,719, and 8,310 sq.yd. West 4th St. $36,400; also sheet asphalt paving 9,430 sq.yd. Military Ave., $42,226. B. M. Hart, City Hall, engr.

Okla., Oklahoma City — Plans grading, curbing and concrete paving 7,880 sq.yd. 10th St. $51,460. B. M. Hart, City Hall, engr.

Okla., Wapanucka—Making preliminary plans grading and paving 7 blocks Main St., 60 and 76 ft. $41,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Wewoka—Plans grading and concrete paving 22,760 sq.yd. Dist. 8, $91,460. Long & Co., Colcord Bldg., Oklahoma City, engrs.

Nev., Reno—Making estimates constructing approximately 25 mi. road to Lake Tahoe by way of Mt. Rose, 18 ft. To exceed $125,000. King & Malone, Reno, engrs.

Calif., Burbank — Plans concrete paving, street lighting system, etc., on Olive Ave. To exceed $25,000.

Calif., Culver City — Plans warrenite bitulithic and vibrolithic concrete paving, etc., portions Inglewood Blvd., Midway and Oregon Aves. To exceed $25,000.

Calif., Hawthorne—Plans 5 in. concrete paving, etc. Hawthorne Ave. To exceed $30,000.

Calif., Huntington Park — Made plans curbing, guttering, walks and 8 in. asphalt paving, etc., 405,331 sq ft. Slauson Ave., etc.

Calif., Escondido—Plans curbing, walks, paving, etc., Potter, Library Sts., etc. To exceed $25,000.

Calif., Los Angeles—Making plans grading, concrete and asphalt paving San Vicente Blvd., Dorothy St. and Darlington Ave. To exceed $25,000. J. C. Shaw, City Hall, engr.

Calif., Los Angeles—Plans paving and widening Moorpark St. between Lankershim Blvd. west to Vineland Ave., to exceed $25,000; concrete paving Lankershim Blvd. from River Bridge south to Ventura Blvd., to exceed $25,000; grading and 6 in. concrete paving 69,982 sq.ft. Mansfield Ave., and 316,309 sq.ft. Windsor Blvd. J. C. Shaw, City Hall, engr.

Calif., Los Angeles—Making plans probably 8 in. concrete paving Marathon St. between Maltman and Lucille Aves. To exceed $25,000. J. Shaw, city engr.

Calif., Sacramento—Making plans grading and asphaltic concrete paving, etc. various streets in Wright-Kimbrough Tract 33. $75,000. A. J. Wagner, city engr.

Calif., San Diego — Bd. Supervs. San Diego Co., plans grading and 6 in. concrete paving 113,160 sq.ft. and 5 in. asphaltic concrete paving 118,249 sq.ft. San Altos 1; also 5 in. concrete paving 275,005 sq.ft. San Miguel Ave., etc., $126,547. P. R. Watson, Spreckels Bldg., engr.

Calif., San Diego — Bd. Supervs. San Diego Co., plans grading, curbing, sidewalk, and 5 in. concrete paving, etc., 159,810 sq. ft. Highland Crest. T. J. Allen, supt. work.

Calif., San Diego — Common Council plans concrete curbing, sidewalks and 6 in. concrete paving 179,268 sq.ft. and 2 in. sheet asphalt paving 382,345 sq.ft. Playa del Norte, etc. F. A. Rhodes, City Hall, engr.

Calif., San Francisco—Making estimates grading and paving, etc., Bayshore Highway from Army St. to county line. To exceed $25,000. M. O'Shaughnessy, city engr.

Calif., San Luis Obispo—Making plans curbing, guttering, walks, and paving, etc. 21 blocks various streets. To exceed $25,000. L. W. Moore, city engr.

Ont., Hamilton—Making plans grading and widening York St. $25,000. W. L. McFaul, City Hall, engr.

Ont., Toronto — City Council plans extending and grading Applegrove Ave.; and asphalt on concrete paving Hartford Ave. and 7 lanes, $57,604. R. C. Harris, City Hall, engr.

Ont., Toronto—Plans asphalt on concrete paving Benlamond Ave., $14,218; opening and grading lane between Arlington and Greenside Aves., $2,050; also concrete paving Lane 1st north of Dundas St., Lane 2nd north of Dundas St., and Lane 1st west of Beatrice St., $12,264. R. C. Harris, City Hall, engr.

Ont., Toronto—Scarborough Twp. plans grading, straightening and widening Danforth Rd. between Danforth Ave. and Kennedy Rd. $42,000. C. E. Fraser, 1361 Kingston Rd., engr.

B. C., Point Gray—Election Jan. 15, grading, etc. various streets. W. B. Greig, 5851 West Blvd., Vancouver, engr.

Bids Desired

N. Y., Long Island City—Jan. 20, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, etc., Nassau Blvd., 7th Ave. and 74th St.; grading, and sheet asphalt on concrete paving Archer Ave., 73rd (16th) and Crescent Sts.

N. J., Newfoundland—Jan. 22, by West Milford Twp. Com., Town Hall, bituminous macadam repaving portion Union Valley Rd. from Paterson and Hamburgh Turnpike to Larue Rd. W. Ferguson's Son, 152 Market St., Paterson, engr.; adv. E.N.-R. Jan. 13.

Delaware—Feb. 2, by State Hy. Dept., Dover, grading and widening, etc. 0.633 mi. Rogers Cor. S. Wilmington Limits, Contr. 76, 3.87 mi. Dover-Cheswold, Contr. 77, and 3.22 mi. Armstrongs Cor. Blackbird, Contr. 78; adv. E. N.-R. Jan. 13.

Virginia—Jan. 25, by State Hy. Dept., Richmond, improving roads on Project-S-299-B, Project-S-323-E and Project-S-410-A and C; also bridges on Project-S-312 and Project-F-371-E. C. S. Mullen, ch. highway engr.; adv. E. N.-R. Jan. 13.

W. Va., Philippi—Feb. 1, by Barbour County Court, Court House, grading, bituminous macadam paving, etc. 1.44 mi. Bonica Rd.; Project 12, Philippi Dist. J. F. Hewitt, Philippi, co. clk.

N. C., Marshville—Jan. 20, by Town, Town Hall, curbing, guttering, sewers, waterworks and paving, etc., 41,000 sq.yd. various streets. W. H. Booker, Charlotte, consult. engr.

Florida—Jan. 18, by State Road Dept., Tallahassee, clearing, grubbing and grading 12.25 mi. Project 669-D, Rd. 27, Dade Co. from end of Project 669-C to Monroe Co. line. J. L. Cresap, highway engr.

Fla., Jacksonville—Jan. 21, by F. Brown, clk. Comrs. Duval Co., paving Bloomingdale Ave., etc., in 5th Comrs. Dist., and 12 roads. F. M. Edwards, co. engr.

Ala., Birmingham — Feb. 1, by City Comn., curbing, sidewalks and concrete asphalt paving 13 blocks Powell Ave. S, 35th St. S., 1st St., and 15th St., Ensley, 50 and 60 ft. wide. $77,050. A. J. Hawkins, city engr.

Miss., Vicksburg — Jan. 21 (extended date), by Board Supervs. Warren Co., grading and sheet asphalt, warrenite bitulithic, asphaltic concrete, brick or Kentucky concrete paving 1.4 mi. National Cemetery Rd., 28 ft. H. C. Dietzer, Jackson, and E. J. Tucker, Court House, Vicksburg, engrs. Noted Dec. 30.

Louisiana—Jan. 27, by State Hy. Comn., Baton Rouge, grading, etc. 5.2 mi. Lettsworth-Simmesport Highway, State Project 475-A, Pointe Coupee Parish. W. B. Robert, Reymond Bldg., Baton Rouge, highway engr.

O., Lisbon — Jan. 17, by Comrs. Columbiana Co., concrete surfacing 4.57 mi. Salineville-Summitville Rd., 16 ft. $121,059. L. C. Kirk, Lisbon, engr.

Ill., Belleville—Jan. 15, by City Clerk, grading, curbing, concrete paving, etc. 28,580 sq.yd. 40th, 41st and 42nd Sts. C. A. Hunxelman, City Hall, engr.

Wis., Kenosha—Feb. 24, by C. M. Osborn, city mgr., various types paving 130,000 sq.yd. 25 or 30 streets.

Kan., Lincoln—Jan. 28, by Lincoln Co., grading, etc. 3.872 mi. Federal Aid Project 362-A, also four 10 ft. multiple box span bridges, etc. J. Francis, Lincoln, acting co. engr.

Ia., Iowa City—Jan. 25, at office Auditor Johnson Co., improving 8.816 mi. County Project 4, 78,406 cu.yd. excav., 147,754 sta.yd. overhaul, etc.; and 9.702 mi. County Project 5, 106,506 cu.yd.. excav., 84,951 sta.yd. overhaul, etc.

N. D., Minot—Mar. 15, by City, paving, etc. 48 blocks various streets. W. W. Peterson, city engr.

Tex., San Benito—Feb. 2, by City, improving various streets, 81,000 sq.yd. 5 in. rein.-con. paving, $244,000; 46,000 ft. curbing, $36,000; and 147,000 sq.yd. sidewalks, $30,000. B. Gentry, San Benito, engr.

Ont., London—See "Contracts Awarded."

Ont., Toronto—See "Contracts Awarded."

Bids Received

Pennsylvania—State Hy. Dept., Harrisburg, Jan. 7, one course rein.-con. paving, etc. 10,171 ft. Route 167, Sect. 4, Monroe Co., from B. G. Coon Constr. Co., 274 Union St., Luzerne $104,844; and 45,477 ft. Route 469, Applications 4349, 4291 and 4374, McKean Co., from F. D. Ross, 74 High St., Bradford $353,511. Noted Dec. 16 and 30.

Virginia — State Hy. Dept., Richmond, Dec. 29, improving 10 mi. Richmond-North Carolina Highway, from Gregory & Weisiger, Inc., Virgilina, $295,007; and 3 mi. highway in Northamton and Accomac Counties, from Old Line Constr. Co., Chestertown, Md., $88,553. Noted Dec. 16.

Louisiana — State Hy. Comn., Baton Rouge, graveling, etc. 8.644 mi. Chatham-Ruston Highway, State Project 419-B, Jackson Parish, from J. G. Newkirk, Camden, Ark., $65,989; and 5.393 mi. St. Amant-Port Vincent Highway, State Project 459-C, Ascension Parish, from Robinson Constr. Co., Centerville, Miss., $28,457. Noted Dec. 9.

O., Cincinnati—Grading, curbing, sidewalks, sheet asphalt paving 4,700 sq.yd., and concrete paving 1,950 sq.yd. Whetsel Ave., from W. Sullivan, 1368 Myrtle Ave., $40,754. Engrs. est. $43,834.

O., Cincinnati — Comrs. Hamilton Co., Dec. 30, grading and tar bound macadam repaving, etc., 9,800 sq.yd. Graves Rd., and 10,400 sq.yd. Brill Rd., from J. S. Slone, 2312 Mound Ave., Norwood, $22,631 and $24,452 respectviely. Engrs. est. $25,835 and $27,450 respectively. Noted Dec. 23.

Kan., Oswego—Labette Co. Dec. 28, improving 8.035 mi. Federal Aid Project 126-B, 16 ft., macadam surfacing, from T. L. Thogmartin, Ft. Scott, $146,000; gravel surfacing, from W. S. Fisher, Oswego, $30,000. Noted Dec. 2.

Ia., Clinton—Clinton Co., grading, concrete paving, etc. 85,837 sq.yd. Federal Aid Project 302, from Central Eng. Co., Putnam Bldg., Davenport, $238,058; and 167,371 sq.yd. Federal Aid Project 292, U. S. Highway 61, from Capitol Constr. Co., 1207 Cherry St., Des Moines, $402,392. Noted Dec. 16.

Ia., Iowa City—Johnson Co., Jan. 4, grading, and 7 in. concrete paving 153,485 yd. Federal Aid Projects 9 and 296, U. S. Highway 161, north of here, from Harrison Eng. & Contg. Co., 506 Mutual Bldg., Kansas City, Mo., $378,479. Noted Dec. 30.

Mo., St. Joseph—Constructing Northwest Extebsion Blvd., 19,913 cu.yd. earth and 5,400 cu.yd. rock excav., 11,216 yd. borrow, etc.; and Northeast Extension, 10,323 cu.yd. earth excav., 3,600 yd. borrow, etc., from M. Haase, 2823 Sacramento St., $19,392 and $8,358 respectively; also straightening Blacksnake Creek, and constructing intake to Blacksnake Sewer north of Karnes Rd., etc., from Witham Contg. Co., 420½ Francis St., $10,084.

Okla., Ponca City—Grading, curbing and brick on concrete paving, etc., 6,670 sq.yd. 9th St., Dist. 67, from Baldwin & Rightmire, Ponca City, $29,479. Noted Dec. 16.

N. D., Bismarck—Burleigh Co., grading, etc., 13.986 mi. Bismarck-Wilton Rd., State Route 6, from Stevens Bros., 612 Endicott Bldg., St. Paul, Minn. $43,798. Noted Dec. 23.

Wash., Seattle — Bd. Pub. Wks., paving West Republic St. et al, from J. B. Covello, 1610 16th Ave. $106,313.

Calif., Compton—Vibrolithic concrete on 5 in. disintegrated granite paving Olive Ave. between west city limits and Oleander Ave., from O. U. Miracle, 1604 Dale St., San Diego, $45,170.

Calif., Long Beach — Grading, curbing, guttering and concrete and 1½ in. bituminous on 4½ in. waterbound macadam paving, etc., Coast Blvd., etc., from United Concrete Pipe & Constr. Co., P. O. Box 6, Ventura, $153,725. Noted Dec. 23.

Calif., Los Angeles — From Fleming Constr. Co., 105 North Park Ave., Pomona,

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Streets and Roads (Continued)

improving Tujunga St., 6,478 sq.ft. 6 in. asphaltic concrete paving at $0.15 per sq.ft., and 193,687 sq.ft. 6 in. concrete surfacing $0.19, etc., total $56,651.

Calif., Los Angeles—Bd. Pub. Wks., from Griffith Co., Railway Bldg., improving McDonald Ave., $539,490; from R. A. Wattson, 1026 North McCadden Pl., improving K St. grading $2,500, 299,849 sq.ft. 6 in. concrete paving at $0.217 per sq.ft., 187,424 sq.ft. 7 in. concrete paving $0.245, 97,470 sq.ft. asphaltic concrete paving $0.262, etc., total approximately $272,076, from Spencer & Holt, 402 Frost Bldg., Pacioma Ave., grading $13,500, 905,512 sq.ft. 8 in. concrete paving $0.225, 370,885 sq.ft. oiled roadway $0.035 etc., total approximately $251,738; from W. Warne, Transportation Bldg., 5th St., grading $16,490, etc., total $50,145; from Warren Constr. Co., 2221 East 25th St., Sepulveda St., grading $3,760, 81,246 sq.ft. asphalt paving $0.19 per sq.ft., 63,787 sq.ft. 6 in. concrete paving $0.20, etc., total $35,465; from B. Bosco, 3751 Eastern Ave., Mansfield Ave., grading $1,400, 69,982 sq.ft. 6 in. concrete paving $0.21, etc., total $25,708; from Gibbons & Reed, 2022 Glendale Blvd., Reseda Ave., grading $2,100, 85,205 sq.ft. asphaltic concrete paving $0.23, etc., total $25,595; from Curtis Co., 2440 East 26th St., Gulf Ave., grading $5,000, 123,717 sq.ft. asphaltic concrete paving $0.185, etc., total $41,657, and Western Ave. $41,995; from W. Liddington, 420 East 60th St., 82nd St., grading $3,900, 192,937 sq.ft. 6 in. concrete paving, $0.186, etc., total $41,425, and Windsor Blvd., grading $7,500, 316,310 sq.ft. 8 in. concrete paving $0.23, etc., total $92,410. Noted Nov. 25.

Calif., Los Angeles—Bd. Pub. Wks., from Fleming Constr. Co., 105 North Park Ave., Pomona, improving Tujunga Ave., grading $4,500, 193,687 sq.ft. 6 in. concrete paving at $0.19 per sq.ft., etc., total approximately $56,655. Noted Nov. 4.

Calif., Los Angeles—From Griffith Co., Railway Bldg., improving Central Ave., grading $8,700, 271,811 sq.ft. 8 in. concrete paving at $0.22 per sq.ft., 65,667 sq.ft. oiled roadway $0.04, etc., total approximately $71,895, and Willowbrook Ave., grading $6,100, 186,560 sq.ft. 6 in. concrete paving $0.188 per sq.ft., etc., total approximately $71,230; from Martter & Bock, 1250 South Gramercy Pl., improving Ave. 60, grading $34,000, 385,465 sq.ft. 8 in. concrete paving $0.28, etc., total approximately $238,795; from G. R. Curtis, 2440 East 26th St., improving 161st St., grading $4,500, 58,165 sq.ft. asphalt paving $0.16, and 102,550 sq.ft. 6 in. concrete paving $0.20, etc., total $54,793.

Calif., Newport Beach—Curbing, guttering, 8 in. concrete paving, 14,687 sq.ft., 6 in. concrete 487,995 sq.ft., 5 in. concrete paving 98,772 sq.ft. and 4 in. macadam paving 222,625 sq.ft. Seaview Ave., etc., from Griffith Co., Railway Bldg., Los Angeles, $251,225. Noted Dec. 9.

Calif., San Anselmo—For curbing, guttering, concrete and asphaltic concrete paving, etc. Sycamore and Merced Aves., etc., from Pacific States Constr. Co., Call Bldg., San Francisco, $27,375.

Calif., Santa Cruz—For grading, concrete paving, etc., portions of Mountain View and Sea View Aves., etc., from Keystone Constr. Co., 729 Brannan St., San Francisco, $44,312.

Calif., San Diego—Common Council, Jan. 3, from B. Noble, Spreckels Bldg., improving N. 17th and 18th Sts., etc., 19,133 cu.yd. excav. at $0.55 per cu.yd., 1,791 sq.ft. concrete sidewalk $0.18, 12,160 lin.ft. concrete curbing $0.58, etc., total $57,933. Noted Dec. 23.

Calif., San Luis Obispo—San Luis Obispo Co., grading, concrete and asphalt paving, etc. streets in Monterey Heights Sect., from Thompson & Packard, Brockman Bldg., $100,325.

New Mexico—State Hy. Comn., at office E. T. Mallery, state highway engr., Santa Fe, Dec. 28, **(F.A.P. means Federal Aid Project)**, grading and one course surfacing 10.355 mi. F.A.P. 146-C, McKinley and San Juan Counties, from Mt. States Constr. Co., Gallup, $74,766; 9.507 mi. F.A.P. 146-C, McKinley Co., and 9.074 mi. Gallup-Shiprock Highway, San Juan Co., from G. W. Orr, Clint, Tex., $71,298 and $71,729 respectively; 9.266 mi. F.A.P. 147-E, San Juan Co., from Salle Constr. Co., Pueblo, Colo., $136,608; 10.303 mi. F.A.P. 147-C, Schedule 2 San Juan Co. and 10.075 mi. same project Schedule 3, from Tobin & Maloney, Madison, S. D., $103,922 and $105,399 respectively. Noted Dec. 16.

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Contracts Awarded

New York—A. W. Brandt, comr. Dept. Pub. Wks., Albany, improving 4.99 mi. Highway 1739, Canada Lake-Arietta-Pisco Rd., Part 1, Fulton Co., to C. D. Murray, 701 Wescott St., Syracuse, $307,892; 3.1 mi. Repair Contr. 3161, Highway 5275, Pulaski-Sandy Creek, Oswego Co., and 7.16 mi. Repair Contr. 3160, Highway 305, Kingston-Ellenville Rd., Part 2, Ulster Co., to Dale Eng. Co., 404 Court St., Utica, $127,294 and $361,886 respectively; 7.56 mi. Highway 1643-B, Greenwood Lake-Tuxedo Rd., and 4.39 mi. Highway 8271, Greenwood Lake-Lakeside Rd., and Highway 1643-A, Greenwood Lake-Tuxedo Rd., Orange Co., to Ferber-Gill Co., Inc., 16 Johnson Ave., Hackensack, N. J., $182,782 and $278,686 respectively; 1.2 mi. Repair Contr. 1556, Gowanda-Angola (Brant Hill) Rd., Gowanda-Irving (Sand Hill) Rd., Erie Co., to M. Holtz, Lackawanna, $27,813; 4.27 mi. Highway 8272, Edwardsville-Morristown Rd., St. Lawrence Co., to A. F. McConville, Ogdensburg, $188,247; 3.62 mi. Repair Contr. 3159, Highway 202, Boston and Albany Turnpike, Highway 736, Schodack Center-Nassau Rd., Rensselaer Co., to C. Hansen, 45 Glen Ave., Troy, $248,778; and 4.57 mi. Highway 8170-A, Putnam-Essex Co. Line Rd., Washington Co., to Sweeney & Boland, 39 State St., Rochester, $137,180. Grand total $1,860,558. Noted Jan. 6.

New Jersey—State Hy. Comn., Trenton, grading and rein.-con. paving Route 14, Sects. 11A, 12A, 13A, 16 and 17, Middletown Bridge to Estellville, Atlantic and Cape May Counties, to E. Riley Mixner, Goshen, $325,868; also constructing approaches to Shark River State Grade Crossing Elimination, on Route 8, Monmouth Co., to Culp Constr. Co., East MacFarland St., Dover, $50,295. Noted Jan. 6.

Md., Baltimore—Bd. Awards, sheet asphalt paving 13,000 sq.yd. streets listed in Contr. 381, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St. $57,091. Noted Dec. 16.

Md., Baltimore—State Rd. Comn., sheet asphalt paving 0.68 mi. highway along Fulton Ave., to Amer. Paving Co., Montebello Ave., $82,023. Noted Dec. 9.

Virginia—See "Bridges."

North Carolina—State Hy. Dept., Raleigh clearing, grubbing, grading and topsoiling, etc. 6.02 mi. Project 874, Rutherford Co. and 11.47 mi. Project 867, Polk Co. to Geer & Wilson, Rutherfordton, $49,777 and $85,928 respectively, 14.85 mi. Project 778, Wilkes Co. to C. B. Hester, Greensboro, $130,015, 13.21 mi. Project 304, Bladen Co. to Beal Bros., Bear Creek, $75,898; clearing, grading, etc. 13.73 mi. Project 649, Mecklenburg Co. to J. K. Cecil, Lexington, $44,192, 7.12 mi. Project 216 Craven Co. to J. M. Gregory & Co., Pittsboro, $34,991, 8.99 mi. Project 229, Greene Co. to Griffin & Perry, Bailey, $41,518; grading and asphaltic paving 8.07 mi. Project 682, Scotland Co. to Noll Constr. Co., Charlotte, $133,220; and grading, and asphaltic concrete paving, etc. 1.44 mi. Project 6490, Mecklenburg Co. to Caldwell Constr. Co., Charlotte, $43,968. Grand total $639,597. Noted Dec. 30.

Florida—State Road Dept., Tallahassee, clearing, grubbing, grading, etc., 10.09 mi. Project 52, Rd. 1, Escambia Co., to W. J. Bryson Paving Co., 403 West 9th St., Jacksonville, $219,913, 15.22 mi. Project 687-B, Rd. 2, Lake Co., to B. Booth & Co., Greencove Springs, $81,361, 7.58 mi. Project 677-D, Levy Co., to Thompson & Mosely, Inc., Box 2043, Tampa, $60,016, and 10.16 mi. Project 677-C, Levy Co., to Boone & Webster, Palatka, $203,951; surface treating 12.53 mi. Project 54-A and 58, Rd. 11, Leon and Jefferson Counties, to Duval Eng. & Constr. Co., Dyal Upchurch Bldg., Jacksonville, $240,477. Noted Dec. 23.

Miss., Jackson—Bd. Supervs. Hinds Co. concrete paving 182,232 sq.yd. and rein.-con. paving 50,000 sq.yd. Tugaloo-Terry Rd., Federal Aid Project 79-A and 82-A and B, to Humbard Constr. Co., Tennessee General Bldg., Knoxville, Tenn., $468,497. Noted Nov. 25.

Miss., Laurel — Jones Co., grading, graveling, etc. 9.71 mi. Laurel-Bay Springs Rd. from Laurel to Jones-Jasper Co. Line, Beat 2, to Boddie Constr. Co., Laurel.

Miss., Lexington—Grading, curbing, and brick on 5 in. concrete paving portions 6 streets, to F. A. Finch, 905 Elizabeth Ave., Hattiesburg. Engrs. est. $60,000.

La., Bastrop — To Williams & Young, Monroe, grading, curbing, guttering and concrete paving 2,800 sq.yd. Marble St. $13,090, 13,800 sq.yd. Harrington St. $16,704,867 sq.yd. Hickory St. $3,660, and 1,400 sq.yd. Franklin St. $5,392. Grand total $38,846.

O., Columbus—W. H. Duffy, dir. Pub. Serv., curbing and Mexican asphalt paving 4,750 sq.yd. each Virginia and Fairview Aves., to B. F. Patterson, 1214 Neil Ave., $22,479 and $21,526 respectively; grading and Franklin asphalt paving, etc., 1,900 sq.yd. Thomas Ave., and 1,610 sq.yd. Stafford Ave., to Franklin Asphalt Paving Co., 200 South High St., $15,634 and $8,169 respectively. Grand total $67,808. Noted Dec. 30.

O., Lyndhurst (br. Cleveland)—Concrete sidewalks, etc., on 8 streets, to A. G. Galier, 301 Rose Bldg., $44,042. Noted Dec. 23.

O., Toronto—City Council concrete paving North 3rd St., Myers, Clark and Jefferson Sts., to Rosser & Maloney, Bellaire, $36,017. Noted Sept. 2.

Indiana—J. D. Williams, dir. State Hy. Comn., Indianapolis, concrete paving, etc., 13.176 mi. State Road 52, S-505, Sects. A and B, Hancock and Shelby Counties, to J. M. Robertson & Sons, 903 Citizens Trust Bldg., Terra Haute, $231,789. Engrs. est. $248,607. Noted Jan. 6.

Ill., Duquoin—Grading, curbing and concrete paving, etc., various streets, to Southern Illinois Quarry & Constr. Co., Murphysboro, $23,630.

Ill., Galesburg—Bd. Local Impvts., grading, curbing, guttering and paving 4 blocks Division St., to H. H. Gunther, 600 East Main St., $18,951. Engrs. est. $19,169.

Ia., Cedar Rapids—Linn Co., grading, etc. 12 mi. County Road 10, from Johnson Co. line through Mt. Vernon to Jones Co. line, to B. C. Johnson Co., Redwood Falls, Minn., $31,644.

Ia., Clinton—Clinton Co., grading and paving 15.872 mi. Federal Aid Project 292, U. S. Highway 61, to Capitol Constr. Co., 1207 Cherry St., Des Moines, $402,392; and grading, 6 in. concrete paving, etc. 83,837 sq.yd. Federal Aid Project 302, to Central Eng. Co., 809 Putnam Bldg., Davenport, $238,058. Noted Dec. 6.

Ia., Harlan—Shelby Co., to G. W. Condon, Federal Reserve Bldg., Omaha, Neb., improving Primary Project 154, 420,779 cu.yd. earth excav. at $0.189 per cu.yd., 200 cu.yd. rock excav. $0.90 and $1.75, 593,000 sta.yd. overhaul $0.02, 944 ft. 15- to 36-in. culvert labor, $0.30 to $0.70.

Ia., Sibley—Osceola Co., to C. W. McNamara, Sioux Falls, S. D., improving Primary Project S-69, 42,390 cu.yd. excav. at $0.268 per cu.yd., 400 ft. 12 in. culvert labor $0.40, and 160 ft. 16 in. $0.50, also clearing right-of-way $855.

Ia., Tipton—Cedar Co., to National Constr. Co., 310 Arthur Bldg., Omaha, Neb., improving Federal Aid Project 57, U. S. Highway 30, 58,625 cu.yd. excav. at $0.39 per cu.yd., 281,277 sq.yd. concrete paving $2.27, 24 flume basins, $50 each, 140 ft. flume drain, $1.50, 7 intakes, $75 and 8 intakes $125, 1,000 lb. reinforcing, $0.05, etc.; to J. H. Miller & Son, Kellogg, 79,766 cu.yd. excav., $0.259, 100 cu.yd. loose rock, $0.75, 100 cu.yd. solid rock, $1.75, 45,600 sta. yd. overhaul, $0.02, 680 ft. culvert labor, $0.30 per ft.

Kan., Girard—Crawford Co. grading and chats surfacing 4.076 mi. Develin-Miller Rd., County Project 21, 28 ft., to Independent Constr. Co., Pittsburg. Noted Dec. 23.

Kan., Independence—Removing old curb, gutters and paving and curbing, guttering and brick repaving 985 sq.yd. and 7 in. concrete repaving 10,100 sq.yd. Main and Myrtle Sts., to A. G. Sherwood, Independence, $52,644.

Kan., Olathe—Johnson Co., bituminous filled brick paving 1.613 mi. Federal Aid Project 246-G, to Cook & Stucker, Ottawa, $91,551. Noted Dec. 2.

Mo., Kansas City — Asphalt concrete paving 26,000 sq.yd. various streets, to Kramer Constr. Co., 3554 Penn Ave. at $2.85 per sq.yd.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, to Bridges Asphalt Paving Co., 3900 Chouteau Ave., asphalt on concrete paving, etc., 2,950 sq.yd. Labadie Ave. $23,871, to M. L. Flinn Paving Co., 728 South Theresa Ave., asphaltic concrete paving, etc., 3,150 sq.yd. Greer St. $21,401, to Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., 560 sq.yd. Lea Pl. $3,953, 3,520 sq.yd. Park Lane Ave. $23,882, to C. A. Moreno, Inc., Syndicate Trust Bldg., 950 sq.yd. Summitt Pl. $6,573, to Webb-Boone Paving Co., 5103 Fyler Ave., 1,240 sq.yd. Odell St. $8,694, and 735 sq.yd. Tilden Ave. $5,175; to Granite Bituminous Paving Co., Ry. Exch. Bldg., warrenite bitulithic paving, etc., 5,480 sq.yd. Howard St. $24,828, 1,300 sq.yd. Pennsylvania Ave. $8,960, and 980 sq.yd. Robert Ave. $6,798; to Evermann Constr. Co., 1216 South Grand Blvd., rein.-con. paving, etc., 460 sq.yd. Cologne St. $2,191, and 582 sq.yd. Dresden Ave. $2,707, to A. Lewald, Inc., 6025 West Cabanne Ave., 2,250 sq.yd. Taylor Ave. $12,626, and to Skrainka Constr. Co., Security Bldg., 1,650 sq.yd. Natural Bridge Ave. $7,288. Grand total $158,947. Noted Dec. 2.

Streets and Roads (Continued)

Ark., Little Rock — Curbing, asphaltic concrete paving, etc., 11,540 sq.yd. Paving Dist. 449, to P. F. Connelly Paving Co. Home Insurance Bldg., $40,440. Noted Oct. 21.

Tex., Archer City—For rein.-con. paving 6 blocks streets around square, to Stickney Constr. Co., Wichita Falls. $28,000.

Tex., Amarillo—Brick on concrete paving 26 blocks 8 streets, to Texas Road Co., Santa Fe Bldg., Dallas, $177,101.

Tex., Beaumont—Asphalt on rock paving Center and Trinity Sts., to Uvalde Rock Asphalt Co., Franklin and Archie Sts., Beaumont, approximately $38,000. Noted Dec. 23.

Tex., Cotulla—Nagle, Witt & Rollins Eng. Co., engrs., Cotulla, asphalt surfacing 29,000 sq.yd. business and residential streets, for City, to Lone Star Constr. Co., 415 Alamo Natl. Bk. Bldg., San Antonio, approximately $60,000.

Tex., Eastland—Brick on concrete paving 58,040 sq.yd. business and residential streets, to West Texas Constr. Co., Abilene, approximately $180,000.

Tex., Galveston—A. C. Kelly, city secy., curbing, guttering, 1 mi. asphaltic on 4 in. concrete and 1½ in. asphalt on 6 in. concrete paving 32 blocks 24th and 26th Sts., Avenues H., I, and E, to H. J. Hetkes, Security St., $84,391. Engrs. est. $90,00.

Tex., Raymondville — Hard paving 6 blocks Hidalgo Ave., to Southwest Bitulithic Co., c/o Gunter Bldg., San Antonio, approximately $40,000.

Tex., Spearman—For 2½ mi. brick on 4 in. concrete paving 15,000 yd. various streets, to Northwestern Constr. Co., Casper, Wyo.

Okla., Enid—Grading, curbing and rein.-con. paving streets in Paving Dist. 134, to Western Paving Co., Tradesmens Natl. Bank Bldg., Oklahoma City, $54,063. Noted Nov. 25.

Okla., Enid—Garfield Co., gravel surfacing 17,100 sq.yd. Douglas-Covington Rd., to Arkansas City Sand & Gravel Co., Arkansas City, Kan., $35,055.

Okla., Ponca City—Brick on concrete paving 6,670 sq.yd. 9th St. and 2 alleys, Paving Dist. 67, to Baldwin & Rightmire, Ponca City, $29,479. Noted Dec. 16.

Okla., Seminole — Grading and vertical fibre brick paving 8,100 sq.yd. Bway., to Ward, Beekman & Brooks, 1801 East 9th St., Oklahoma City, $34,428. Engrs. est. $34,851. Noted Dec. 16.

Okla., Seminole—Grading, curbing and concrete paving 8,400 sq.yd. North 1st St., to Ward, Beekman & Brooks, 1801 East 9th St., Oklahoma City, $37,026, engrs. est. $37,376. Noted Dec. 30.

New Mexico—State Hy. Comn., at office E. T. Mallery, state highway engr., Santa Fe, one course crushed gravel surfacing, etc., 7.083 mi. Nara Visa-Clayton Highway, 16 ft., to W. T. McClure, Tucumcari, $60,635. Noted Dec. 16.

Utah—State Hy. Comn., Salt Lake City, constructing Rockville-Dalton Wash Rd., Washington Co., to Reynolds-Ely Constr. Co., Springville, $109,566. Engrs. est. $127,065.

Washington—State Hy. Comn., Olympia, graveling 7,000 sq.yd. State Rd. 9, Jefferson Co., to C. E. Martin, P. O. Box 160, R. F. D. 3, Seattle, $9,080; and grading 112,000 cu.yd. State Rd. 12, Cowlitz Co., to I. J. Rosten Co., 508 Exch. Bldg., Portland, Ore., $53,000. Noted Dec. 2.

Oregon—State Hy. Comn., Court House, Portland, grading (using concrete pipe) approximately 10.69 mi. Hayes Hill-Shattuck Corner Sect. Redwood Highway, Josephine Co., to Washburn & Hall, Worcester Bldg., Portland, $119,500.

California—State Hy. Dept., Sacramento, grading and concrete paving, etc. 3,800 cu.yd. roadway through Laguna Beach, Orange Co., to United Concrete Pipe & Constr. Co., P. O. Box 6, Ventura, $59,533. Engrs. est. $67,101. Noted Dec. 16.

Calif., Los Angeles—Curbing, guttering, sidewalks and 6 in. concrete paving, etc., 851,437 sq.ft. 73rd St., to Chalmers & Ford, Hellman Bldg., $90,999. Noted Dec. 16.

Calif., Los Angeles—Asphalt and concrete paving, etc., Devonshire St. between Brand Blvd. and Zelah Ave., to G. Gardner, Redlands, approximately $83,525.

Calif., Los Angeles—Supervs. Los Angeles Co., grading and concrete paving, etc. 125,824 sq.ft. Amestoy Ave., Impvt. 412, to Griffith Co., Railway Bldg., $40,577. Noted Dec. 23.

Calif., Montebello—L. G. Herr, city clk., grading, curbing and rock and oil surfacing 263,000 sq.ft. Washington Dr., to Bartlett & Matthews, Braley Bldg., Pasadena, $28,257. Noted Dec. 2.

Calif., Newport Beach—Curbing, guttering, 8 in. concrete paving 14,687 sq.ft., 6 in. concrete paving 487,995 sq.ft., 5 in. concrete paving 98,772 sq.ft., and 4 in. macadam paving 222,625 sq.ft. Seaview Ave., to Griffith Co., Railway Bldg., Los Angeles, $251,235. Noted Jan. 6.

Calif., San Diego—Common Council, improving 29th, Ivy and Juniper Sts., to Griffith Co., 1308 Newton Ave., $44,816. Noted Jan. 6.

Calif., San Luis Obispo — San Luis Obispo Co., grading, concrete and asphalt paving, etc., streets in Monterey Heights Sect., to Thompson & Packard, Brockman Bldg., $100,325. Noted Jan. 6.

Ont., London — City Council will pave with cement and asphalt various streets, by day labor under supervision W. P. Near, city engr. $50,000.

Ont., Toronto — Asphalt on concrete paving Poplar Plains Crescent, to Constr. & Paving Co., Confederation Life Bldg., $8,065; also Tain Ave. and 4 streets, to City Works Dept., by day labor, $17,316. Grand total $25,381.

Ont., Toronto—Concrete curbing and warrenite bithulithic on concrete paving Willard, Windermere, Glenholme and Allenvale Ave., to Warren Bituminous Paving Co., 54 University Ave., $52,106. Noted Oct. 14.

Ont., Toronto—Asphalt on concrete paving Dartnell Ave., asphalt surfacing Markham St., and brick block paving Cavendish Ave., to Kilmer & Barber, 10 Adelaide St. E., $17,293; Hillside brick block on concrete paving Victoria Park Ave., asphalt resurfacing High Park St., and bitulithic on concrete paving Heydon Park Crescent, to Asphaltic Concrete Co., Excelsior Life Bldg., $24,744; bitulithic on concrete paving Edmund and Victoria Park Aves., and concrete paving lane north of Bloor St., to City Works Dept., by day labor, $16,306. Grand total $58,343.

Cuba — Dept. Pub. Wks., Havana, improving 750 mi. Central Highway, 75%, to Warren Bros., 9 Cambridge St., Boston, Mass.; and 25%, to group of Cuban Contractors. Estimated cost $70,000,000. Noted Dec. 30.

Buildings — Commercial

Proposed Work

Me., Augusta — STATE HOUSE and LIBRARY — State Building Dept., State House, plans altering and constructing state house addition, $200,000; also library, state house grounds, $150,000 or more. Engineer and architect not selected.

Me., Sanford—THEATRE—W. K. Emery, Washington St., plans 1 and 2 story and basement, brick and steel, Mechanic St. To exceed $150,000. Engineer and architect not selected.

N. H., Laconia — DORMITORY — State, Dept. Mental Diseases, plans 3 story and basement, brick dormitory. To exceed $150,000. Engineer and architect not selected.

Mass., Boston — OFFICE — J. Hancock Mutual Life Insurance Co., W. L. Croker, pres., 197 Clarendon St., having preliminary plans prepared by Parker, Thomas & Rice, 177 State St., addition, St. James Ave., Stuart and Clarendon Sts. To exceed $150,000.

Mass., Cambridge (br. Boston)—APARTMENT—D. M. Robb, 5 Newport Rd., plans brick, Rosiland St. and Massachusetts Ave. To exceed $150,000. Engineer and architect not selected.

Mass., Cambridge (br. Boston)—APARTMENT—J. J. Shine, 1400 Massachusetts Ave., plans 4 story and basement, brick, 1737 Cambridge St. $200,000. Engineer and architect not selected.

Mass., Duxbury—THEATRE—J. Rudman, 16 Queensbury St., South Boston, having preliminary plans prepared by Kroykn, Browne & Rosenstein, 220 Devonshire St., Boston, 1 story and basement, brick and steel, plain foundation. $150,000.

Mass., Franklin—THEATRE — Franklin Theatres, Inc., G. R. Moore, Hyannis, plans 1 story and basement, brick and steel theatre, here. $150,000. Engineer and architect not selected.

Mass., Gardner — BANK — Gardner Co-operative Bank, Main St., having sketches made by O. A. Thayer, 89 Franklin St., Boston, 1 story and basement, rein.-con., brick and steel, Pleasant St. $150,000.

Mass., Haverhill—FIRE HOUSE—City, Pub. Building Dept., City Hall, plans new modern equipped fire house, Water St. $160,000. Engineer and architect not selected.

Mass., Haverhill — HOTEL — Haverhill Chamber of Commerce, 191 Merrimack St., plans hotel. To exceed $150,000. Engineer and architect not selected.

Mass., Lynn—STORE and OFFICE—H Dine, 9 Monroe St., having plans prepared by G. A. Cornet, 10 Central Ave., 4 story and basement, brick, plain foundation, Market and Monroe Sts. $150,000.

Mass., Lynnfield — STORAGE and OFFICE—Town and G. A. Cornet, archt., 10 Central Ave., Lynn, having sketches made 3 or 4 story storage and office building $150,000.

Mass Malden (br. Boston)—APARTMENT—T. Freeburn, 35 Cabot St., Winchester, having plans prepared by D. T. Cormier, 15 Herbert St., Somerville, 3 story and basement, brick and stone, plain foundation. $150,000.

Mass., Malden (Boston P. O.)—STORE and OFFICE—Andrew Investment Co., 26 Pleasant St., having preliminary plans prepared by C. F. Springall, 84 Sprague St., 2 story and basement, 85 x 125 ft., brick, plain foundation, Malden Sq. $150,000.

Mass., Natick—THEATRE and STORE—Suburban Amusement Corp., F. L. Harris, pres., 34 Brooks St., Wellesley, plans theatre and store, Hayes and Central Sts., here. $150,000-$160,000. Engineer and architect not selected.

Mass., Norwood—STORE, OFFICE and APARTMENT—Owner, c/o M. E. Levy, archt., 7 Water St., Boston, having preliminary plans prepared 4 story and basement, brick, Washington St., here. $150,000 or more.

Mass., Pittsfield — APARTMENT—New Britain Capitalists, c/o J. Wells, Raphael Bldg., New Britain, Conn., plans 3 or 4 story, brick, South St., here. $150,000. Engineer and architect not selected.

Mass., South Boston (sta. Boston) — WAREHOUSE and OFFICE — Truscon Steel Co., 260 Tremont St., Boston, plans 1 and 2 story, rein.-con. and steel, Dorchester Ave., here. $150,000. Private plans.

Mass., Springfield — THEATRE — Poli Real Estate Co., 26 Church St., New Haven, Conn., plans large brick and steel theatre, Bway., here. $250,000. T. W. Lamb, 644 8th Ave., New York City, archt.

Mass., Webster — HALL, etc. — T. P. Dwyer, 18 Davis St., having plans prepared by L. V. Caouette, Webster, 1 and 2 story, brick and steel dance hall, bowling alleys, etc., Davis St. $150,000 or more.

Mass., Worcester—BANK—Peoples Savings Bank, G. A. Gaskill, pres., having plans prepared by J. M. James Co., 3 Park St., Boston, altering and constructing 1 story and basement, rein.-con., brick and steel addition, 452 Main St., $150,000.

Conn., East Haven (br. New Haven)—TOWN HALL — Town, Bd. Selectment, plans new town hall. $175,000. Engineer and architect not selected.

Conn., New Britain — BANK and OFFICE — Fidelity Finance Corp., 87 West Main St., J. M. Chernoff, pres., had plans prepared 4 story, brick and steel, West Main St. $150,000. Private plans.

N. Y., Brooklyn — THEATRE, STORE and OFFICE—Owner, c/o Salvati & Le Fuornick, archts., 371 Fulton St., having plans prepared 3 story, 110 x 210 ft., brick, steel and stone, plain foundation, 4th Ave. between Union and President Sts. $275,000.

N. Y., Brooklyn—THEATRE and STORE—Silverman & Mendelsohn Building Corp., W. Silverman, pres., 65 Court St., soon takes bids brick, steel and stone, plain foundation, Kings Highway and East 18th St. $1,000,000. D. P. Hall, 405 Lexington Ave., New York City, archt.

N. Y., Buffalo — HOSPITAL — Jewish Hospital Assn. having plans prepared by E. Goldstein, archt., 814 Mutual Life Bldg., and L. Greenstein, associated archt., 1334 Prudential Bldg., 4 story, brick, steel and stone, plain foundation, Niagara Falls Blvd. $700,000. Noted Mar. 25.

N. Y., New York—APARTMENT—One Hundred Sixty Three East 81st Street Corp., L. Jacobson, pres., having plans prepared by Schwartz & Gross, 347 5th Ave., 9 story, 80 x 85 ft., brick, steel and stone, plain foundation, 163 East 81st St. $300,000.

N. Y., New York—APARTMENT—Park Towers Corp., c/o De Rose & Cavaliere, archts., 370 East 149th St., having plans prepared 6 story, brick, steel and stone, plain foundation, Bronx Park, East. $450,000.

N. Y., New York—APARTMENT—Billingsley Realty Co., Inc., c/o Moore & Landseidel, archts., 148th St. and 3rd Ave., having plans prepared 15 story, 200 x 200 ft., brick, steel and stone, plain foundation, Pelham Parkway. $2,500,000.

N. Y., New York—APARTMENT—One Hundred Sixty-Three East 81st Street Corp., L. Jacobson, pres., c/o Schwartz & Gross, archts., 347 Madison Ave., having plans prepared 9 story, brick, steel and

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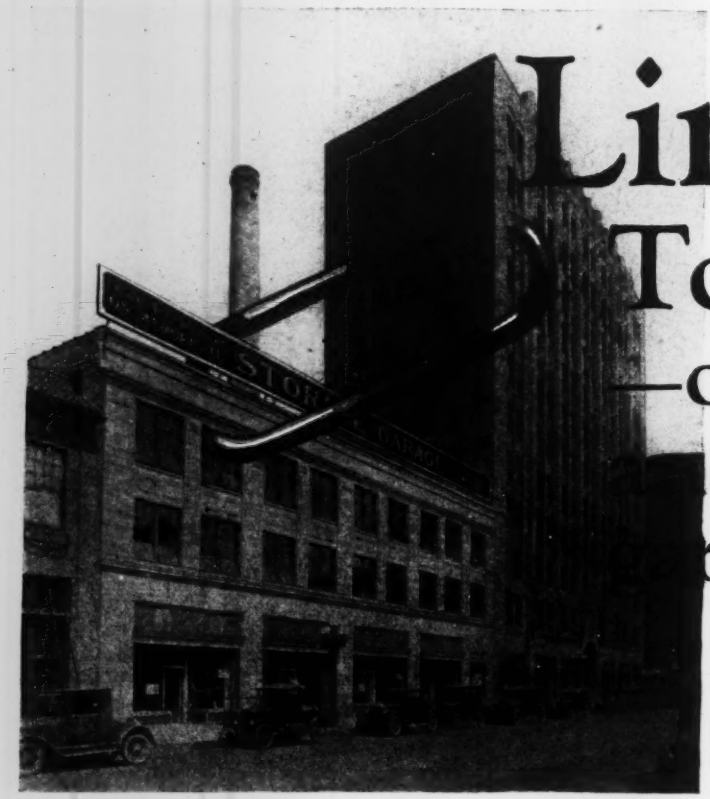
AMERICA NEEDS MORE GARAGES IN HER CITIES



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Buildings—Commercial (Continued)

stone, plain foundation, 169 East 81st St. $300,000. Ball & Snyder, 183 Madison Ave., engrs.

N. Y., New York—GARAGE—F. Small, 215 Montague St., Brooklyn, having plans prepared by E. DeRosa, 15 West 44th St., 7 story, rein.-con., brick and steel, plain foundation, 318 West 49th St. $350,000.

N. Y., New York—HOTEL—Queen Marie Hotel Corp., c/o G. F. Pelham, archt., 570 7th Ave., having plans prepared 15 story brick, steel and stone, plain foundation, 109 West 46th St. $2,000,000.

N. Y., New York—LOFT—Julius Tishman & Sons, 285 Madison Ave., plans 20 story brick, steel and stone, plain foundation, 879 10th Ave. $3,000,000. Engineer and architect not selected.

N. Y., New York — MEDICAL — Nine Hundred Seventy One Madison Avenue Corp., c/o M. E. Freehof, archt. 415 Lexington Ave., having plans prepared 14 story, 50 x 100 ft., brick, steel and stone, plain foundation, 971 Madison Ave. $1,000,000.

N. J., Asbury Park — CONVENTION HALL—Jan. 11 (extended date), by E. F. Hetrick, mayor, brick, steel and stone convention hall, amusement pier, and theatre, etc. $1,500,000. Warren & Wetmore, 16 East 47th St., New York City, archts. Noted Dec. 23.

N. J., Newark—OFFICE—See "Contracts Awarded."

Pa., Bristol — THEATRE, STORE and OFFICE—Bodek Rabinowitz & Runtf, 53 North 3rd St., Phila., having plans prepared by W. H. Lee, 1505 Race St., Phila., theatre 1,500 seating capacity, store and office building, here. $250,000.

Pa., Phila. — BANK and OFFICE — Owner, c/o W. T. Mirkel & Co., Widener Bldg., having plans prepared by Ritter & Shay, Packard Bldg., 20 story and basement, 60 x 117 ft., rein.-con., brick and steel, 15th and Walnut Sts.

Pa., Phila.—STORE—Bonwit Teller & Co., 13th and Chestnut Sts., having plans prepared by C. E. Wunder, 1520 Locust St., 7 story and 2 basement, 70 x 150 ft., rein.-con., brick and steel, plain foundation, 17th and Chestnut Sts. $1,500,000.

Md., Baltimore — CLUBHOUSE — Y. M. and Y. W. Hebrew Assn., c/o A. Straus, 1 South Howard St., having plans prepared by F. E. Hahn, 629 Chestnut St., Phila., Pa., 4 story, 44 x 96 x 176 ft., brick and steel, plain foundation, incl. auditorium, gymnasium, swimming pool and class rooms, Monument St. near Howard St. $400,000.

D. C., Wash.—DEPARTMENT STORE—S. Kahn Sons & Co., 8th St. and Market Sq., having plans prepared by Starrett & Van Vleck, 393 7th Ave., New York City, N. Y., brick, steel and stone, plain foundation, 13th and F Sts. $4,500,000.

Ga., Atlanta—OFFICE—Crum & Foster, 170 Spring St., having preliminary plans prepared by Ivey & Crook, Candler Bldg., rein.-con. office building. $200,000.

Ga., Atlanta—OFFICE—R. C. Snow, associated archt, Bona Allen Bldg., soon lets contract 1 story and basement, 79 x 224 ft., rein.-con., brick and steel, plain foundation, for Packard Motors Co., 302 Spring St. $125,000. A. Kahn, 1004 Marquette Bldg., Detroit, Mich., archt.

Ga., Savannah—EXCHANGE—Southern Bell Telephone & Telegraph Co., 67 Edgewood Ave., Atlanta, plans telephone exchange, here. $250,000. Private plans.

Ala., Birmingham—HOSPITAL—Berlin & Swern, archts., 19 South La Salle St., Chicago, Ill., soon lets contract 8 story, 46 x 120 ft. fireproof addition to Hillman Hospital, 602 South 20th St., here.

La., Alexandria—MASONIC TEMPLE—Masonic Benevolent Assn., S. R. Pickett, secy. and treas., 108 4th St., having revised plans prepared by H. J. Duncan, 120 Murray St., Alexandria, and S. Stone, Jr., & Co., 714 Union St., New Orleans, 4 story, 91 x 103 ft., rein.-con., brick and stone, 4th and Johnson Sts. $225,000. Noted Sept. 2.

La., Shreveport — OFFICE — Syndicate, c/o Benson Realty Co., 502 Atkins St., postponed taking bids 12 story and basement, 48 x 143 x 150 ft., rein.-con. and steel, Travis and Louisiana Sts. $1,000,000. Noted Oct. 21.

Tenn., Memphis — THEATRE and OFFICE — Orpheum Theatre Co., Main and Beale Sts., plans 12 story and basement, brick, steel and rein.-con. theatre and office building.

O., Akron — HOSPITAL — St. Thomas Hospital having plans prepared by F. C. Warner & W. R. McCornack, Bulkley Bldg., Cleveland, 5 story and basement, brick, steel and concrete hospital. $500,000.

O., Cleveland — AUTO SALES and GARAGE — W. J. Daubenspeck, 1371 East 115th St., had plans prepared 1 story, 83 x 294 ft., brick and steel, Collamer and Euclid Aves. $100,000. W. J. Wefel, 5716 Euclid Ave., engr.

O., Cleveland — COMMERCIAL and THEATRE, Syndicate, c/o H. N. Fink of Stotter-Haber Co., Leader Bldg., having plans prepared by Braverman & Havermaet, archts. and engrs. 610 Ulmer Bldg., 1 and 2 story, brick and steel, East 119th St. and Buckeye Rd. $150,000.

O., Cleveland—STORE—L. Cahn, 2099 Lamberton Rd., Cleveland Heights, having plans prepared by A. F. Janowitz, 811 Prospect Ave., 3 story and basement, 64 x 108 ft., brick, 10421 Clifton Blvd., here. $150,000.

Ind., Anderson — APARTMENT — E. R. Watkins, archt., Anderson, takes bids about Feb. 1, 3 story, 80 x 120 ft.; rein.-con. and steel, plain foundation, 14th and Central Sts., for Madison Trust Real Estate Co. $250,000.

Ind., Anderson—OFFICE and STORE—Art & Science Corp. having plans prepared by S. Craig, 31 West Ohio St., Indianapolis, 3 story, 70 x 108 ft., rein.-con. and steel, plain foundation, 12th and Jackson Sts. $300,000.

Ind., Indianapolis—HOTEL—Owner, c/o C. T. Freijs, archt., Lemcke Bldg., having plans prepared 3 story and basement, 50 x 120 ft., brick and steel apartment hotel. $160,000.

Mich., Ann Arbor—HOTEL—Snell Realty Co., 1519 Dime Bank Bldg., Detroit, having plans prepared by L. Kamper, Kamper Bldg., Cass Ave., Detroit, 4 story and basement, 88 x 132 ft., rein.-con., brick and steel, plain foundation, Huron St., here. $500,000.

Mich., Ann Arbor—HOTEL—Owner, c/o M. H. Finkel, archt., 1333 Book Bldg., Detroit, had plans prepared 9 story and basement, 166 x 196 ft., rein.-con., brick, steel and terra cotta, plain foundation, 4th St. $1,200,000.

Mich., Birmingham — APARTMENT — Owner, c/o C. D. Lundblad, archt., 4070 Fort St., Detroit, having plans prepared 3 story and basement, 100 x 176 ft., rein.-con., brick and steel, plain foundation, Woodward Ave. $200,000.

Mich., Detroit — CLUB — Detroit Hungarian Organization, c/o R. S. Gerganoff, archt., 512 Penobscot Bldg., plans 3 story and basement, 60 x 120 ft., rein.-con., brick and steel, plain foundation, West Jefferson Ave. $150,000.

Mich., Detroit—MERCANTILE—Owner, c/o P. R. Rossello, archt., 406 Congress Bldg., having plans prepared 8 story and basement, 150 x 300 ft., rein.-con., brick and steel, plain foundation. $400,000.

Mich., Detroit — OFFICE — Owner, c/o Donaldson & Meier, archts., 1314 Penobscot Bldg., having plans prepared 3 story and basement, 60 x 100 ft., rein.-con. and brick, plain foundation. $150,000.

Mich., Detroit—THEATRE and APARTMENT—J. M. Hogan & associates, c/o Garstecki & Waier, archts., 403 Hoffman Bldg., having plans prepared 3 story and basement, 100 x 250 ft., rein.-con., brick and steel theatre, office, apartment and store building, plain foundation, Harper Ave.

Mich., Flint—HOTEL—F. P. Kottenstette having plans prepared by C. N. Agree, 1140 Book Tower, Detroit, 6 story and basement, rein.-con., brick and steel, plain foundation. $500,000.

Mich., Ironwood — THEATRE — Coeman Bldg. Corp., 221 East Arch St. having plans prepared by N. A. Nelson, and soon takes bids, 2 story, 65 x 120 ft., rein.-con. and brick, plain foundation, $150,000.

Mich., Pontiac—THEATRE and OFFICE—R. L. Spitzley, Grosse Pointe Park, having plans prepared by L. Kamper, Kamper Bldg., Cass Ave., 4 story and basement, rein.-con., brick and steel, plain foundation. $850,000.

Mich., Port Huron—BANK and OFFICE—Federal Commercial Savings Bank having plans prepared by G. Harvey, Port Huron, rebuilding 2 story and basement, rein.-con., brick and steel, plain foundation. Military St., recently destroyed by fire. $250,000.

Ill., Chicago—HOSPITAL and HOTEL—Physicians and Surgeons Institution, c/o L. Gunzel, archt., 879 North State St., having plans prepared 23 story, 800 room hospital and hotel, Maple and La Salle Sts. $6,000,000.

Ill., Chicago—OFFICE and STORE—V. J. Curto, 4615 Bway., having sketches made by Huzagh & Hill, 6 North Michigan Ave., 20 story and basement, 100 x 160 ft., Lawrence Ave. and Bway. $3,500,000.

Ill., Evanston—CLUB—Evanston Country Club, Room 362, 410 North Michigan Ave., having preliminary plans prepared by D. H. Burnham & Co., 160 North La Salle St., 2 and 4 story club building. $800,000.

Wis., Beloit—THEATRE and BUSINESS—Castle Theatre Corp., 407 Bway., Bldg., Milwaukee, C. Lipman, pres., plans 2 and 3 story and basement, 72 x 265 ft., brick, stone and concrete, East Grand Ave. $300,000. Private plans.

Wis., Cudahy—THEATRE and STORE—United Holding Co., 1023 Walnut St., Milwaukee, having plans prepared by Gurda & Gurda, 448 Mitchell St., Milwaukee, 2 story and basement, 122 x 150 ft., brick, concrete and terra cotta, plain foundation, Packard Ave. $200,000.

Wis., Eau Claire—MASONIC TEMPLE—Masonic Bd. Trustees, H. Davis, chn. building com., 244 Lake St., having plans prepared by E. J. Hancock, Lacock Bldg., brick and stone temple. $300,000.

Wis., La Crosse — BANK, OFFICE — Batavian Natl. Bank, 319 Main St., plans remodeling 5 story and basement, 44 x 110 ft. bank building $100,000-$150,000. Engineer and architect not selected.

Wis., Madison — APARTMENT — Julien Realty Co., Milwaukee, having plans prepared by F. L. Kronenberg, Carroll Blk., 5 story, brick, rein.-con. and steel, plain foundation, Butler St. $300,000.

Wis., Madison — OFFICE — Balch & Lippert, archts., Gay Bldg., preparing plans 9 story, rein.-con., brick and steel, plain foundation. $600,000. Owner's name withheld.

Wis., Madison—OFFICE—Beavers Insurance Co., S. A. Oscar, secy., 119 Monona Ave., having plans prepared by J. R. and E. J. Low, 1st Central Bldg., 7 story, 60 x 200 ft., rein.-con., brick and steel addition, plain foundation, Monona Ave. $150,000.

Wis., Milwaukee—APARTMENT HOTEL—Peacock & Frank, archts., 445 Milwaukee St., making preliminary plans 6 or 7 story and basement, 92 x 180 ft., brick, concrete and stone or terra cotta, plain foundation, Grand Ave. $350,000. Owner's name withheld.

Wis., Milwaukee—APARTMENT—Priebe Realty Co., 2417 State St., having plans prepared by W. J. Kozick, 664 26th St., 4 story and basement, 56 x 122 ft., brick and concrete, plain foundation, 15th St. $160,000.

Wis., Ojibwa—HOTEL—Knights Northwood Estate, 6028 Plankinton Bldg., Milwaukee, having preliminary plans prepared by Herbst & Kuenzli, 130 Grand Ave., Milwaukee, 3 and 2 story, timber resort hotel, incl. golf course, water supply and septic tanks, here. $500,000.

Wis., Oshkosh—THEATRE and BUSINESS—Fischer Paramount Theatres, 36 South State St., Chicago, Ill., having revised plans prepared by Wolff & Ramsthol, 230 Grand Ave., Milwaukee, 3 story and basement, 110 x 227 ft., brick, concrete and terra cotta, Main St. $350,000. Noted Dec. 2.

Wis., Wauwatosa—THEATRE—Badger Building Service, Inc., 445 Milwaukee St., Milwaukee, having plans prepared by Peacock & Frank, 445 Milwaukee St., Milwaukee, 1 story and basement, 68 x 122 ft., brick, concrete and terra cotta, plain foundation, Wisconsin Ave. $150,000.

Wis., Wauwatosa—THEATRE—United Holding Co., 1023 Walnut St., Milwaukee, having preliminary plans prepared by Gurda & Gurda, 448 Mitchell St., Milwaukee, 1 and 2 story and basement, 120 x 150 ft., brick, concrete and terra cotta, plain foundation, West Milwaukee Ave. $200,000.

Ia., Cedar Rapids—CONSISTORY—Consistory Fidelity Co., c/o O. L. Leefers, chn., Mt. Vernon Ave. and South 17th St., having plans prepared by W. J. Brown, 417 1st Ave. E. Cedar Rapids, and Palmer & Hornbostel, Pittsburgh, Pa., archts., 2 story and basement, 130 x 220 ft., rein.-con., brick, stone and steel, A Ave. between 6th and 7th Sts. $350,000.

Ia., Cedar Rapids—THEATRE—C. Bard, 5311 Bway., Indianapolis, Ind., soon takes bids 3 story and basement, 120 x 140 ft., rein.-con., brick and steel, 301-05 1st Ave. $500,000. G. L. Fisher, 1437 City Natl. Bank Bldg., Omaha, Neb., archt. Noted Dec. 2.

Minn., Minneapolis — CLUB HOUSE — Minneapolis Club, c/o W. J. Hield, chn. building com., 507 Essex Bldg., making plans 5 story and basement, rein.-con. and brick addition, 2nd Ave. South and 8th St. $400,000. Engineer and architect not announced.

Minn., Minneapolis—HOSPITAL—Abbott Hospital, V. M. Anderson, bus. mgr., 1717 1st Ave. S., having plans prepared by Magney & Tusler, 126 South 9th St., probably 3 story and basement, rein.-con., brick and stone addition. $300,000.

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Buildings—Commercial (Continued)

Minn., Minneapolis — WAREHOUSE — Hall Hardware Co., G. E. Hall, 608 3rd St. North, making plans 8 story and basement, rein.-con. and brick, 3rd St. North near 6th St. $1,000,000. Engineer and architect not announced.

Kan., Goodland—COURT HOUSE—Sherman Co. had plans prepared by T. W. Williamson & Co., 312 Central Natl. Bank Bldg., 3 story, rein.-con., brick and stone court house. $200,000 bonds voted.

Neb., Omaha—HOSPITAL—Swedish Mission Hospital, C. Johnson, chn. building com., 3627 California St., had plans prepared by E. F. Schreiber, 601 Peters Trust Bldg., and soon takes bids 3 story and basement, rein.-con., brick and stone addition, 3706 North 24th St. $150,000. Noted Nov. 18.

S. D., Aberdeen—HOSPITAL—St. Lukes Hospital having plans prepared by J. H. Wheeler, 403 Exch. Bank Bldg., St. Paul, Minn., 6 story and basement, rein.-con., brick and stone, State St. and 3rd Ave. $400,000.

Mo., Kansas City — ADMINISTRATION HOTEL — D. Werby, 110 West 10th St., having preliminary plans prepared 2 story and basement apartment hotel, 38th and Main Sts. $150,000. Private plans.

Mo., Kansas City—FIRE STATIONS—Fire & Water Bd. soon takes bids three 2 story fire stations at $85,000 each; also remodeling 29 fire stations, incl. modern heating systems. Total $475,000. J. O'Connor, 1012 Central Ave., archt. Noted Nov. 4.

Mo., Kansas City — HOSPITAL — City plans improving hospital. $250,000. Engineer and architect not selected.

Mo., St. Louis—EXCHANGES—See "Unclassified."

Ark., Hot Springs—HOTEL—Scott Wood & associates, 106 Watt St., having plans prepared by Sanders & Ginoichio, Hall Bldg., Little Rock, 10 story and basement, rein.-con., brick and steel hotel.

Tex., Amarillo—BUSINESS—A. Davidson plans 5 story, 85 x 100 ft. business building, West 6th St. $350,000. Engineer and architect not selected.

Tex., Dallas—EXCHANGE—Southwestern Bell Telephone Co. had plans prepared by Lang & Witchell, engrs. and archts., Amer. Exch. Bank Bldg., and I. R. Timlin, associated archt., Southwestern Bell Telephone Co., St. Louis, Mo., (2 units) 23 story and 2 basement, 176 x 188 ft., rein.-con., brick and steel, plain foundation, Akard St. $5,000,000. Noted Nov. 25.

Tex., Dallas—HALL OF RECORDS—Dallas Co., F. H. Alexander, judge, having 2 sets revised plans prepared, 8, 10 or 12 story, 100 x 200 ft., rein.-con. and steel, Elm and Main Sts. $500,000. Lang & Witchell, Amer. Exch. Bank Bldg., engrs. and archts. Noted Sept. 30.

Tex., Dallas—MARKET—Hilton Investment Co., had plans prepared by Bryan & Sharpe, archts. and engrs., Athletic Club, 1 story, 135 x 400 ft., rein.-con., brick and steel, plain foundation, Ervay St. $200,000.

Tex., Dallas—OFFICE and GARAGE—L. R. Whitson, archt., 1805 Santa Fe Bldg. takes bids about Jan. 15, 4 story, 103 x 137 ft., brick, stone, steel and rein.-con., concrete pile foundation, St. Paul St., for R. J. Coke, Amer. Exch. Bank Bldg.

Tex., Dallas—STORE—H. M. Greene & Co., archts. and engrs., Santa Fe Bldg., take bids about Jan. 15, remodeling present 4 story and basement, 100 x 100 ft. and constructing 4 story (ultimately 20 story) and basement 100 x 100 ft., rein.-con., terra cotta, and brick and steel addition, plain foundation, Ervay St. for Neiman-Marcus & Co. $275,000.

Tex., Laredo—HOTEL—M. Little, c/o Hamilton Hotel, plans 10 story, concrete, brick and stone addition. $400,000. L. Harrington & Co., c/o Builders Exch. Bldg., San Antonio, archts.

Tex., Plainview—HOTEL—J. N. Donohoo plans 5 story and part basement, rein.-con., brick, stone and hollow tile, plain foundation. $250,000. Private plans.

Okla., Tulsa—HOTEL—H. P. Ketchum, c/o Hotel Tulsa, having plans prepared by L. I. Shumway, New Wright Bldg., 14 story addition to Tulsa Hotel, 125 East 3rd St.

Okla., Tulsa—OFFICE—W. Phillips, Atlas Life Bldg., plans 20 to 30 story and basement, 100 x 140 ft., rein.-con., brick and steel, 5th and Boston Sts. $2,000,000. Engineer and architect not selected.

Wash., Bellingham — HOTEL — Hotel Leopold Co., H. Schupp, pres., having plans prepared by H. L. Stevens Co., 30 North Michigan Ave., Chicago, Ill., 7 story and basement, 110 x 125 ft., rein.-con., brick and terra cotta. Cornwall Ave. and Chestnut St. $500,000.

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Wash., Seattle—APARTMENT—Canterbury Investment Co., Inc., L. M. Backus, pres. Natl. Bank of Commerce, plans 15 story and basement, 50 x 235 ft., Class A apartment, and 150 car garage, 2nd and Battery Sts. $1,500,000.

Wash., Seattle — HOTEL — Stuart & Wheatley, archts., Walker Bldg., take bids about Feb. 3, 12 story and basement, 70 x 108 ft., rein.-con. and steel, 4th and Olive Sts., for S. Berg, 3402 Woodland Park. $150,000. Noted Nov. 11.

Ore., Portland—APARTMENT—Richenbach & Co., Bd. Trade Bldg., having plans prepared by Clausen & Clausen, Macleay Bldg., 4 story, 100 x 100 ft., 12th and College Sts. $150,000.

California—CLUB—Pacific Coast Yacht Club, Los Angeles, having preliminary plans prepared by E. H. Cline, Petroleum Securities Bldg., Los Angeles, probably rein.-con., with breakwater to provide 220 acre calm water, on bay in Palos Verde Estates between San Pedro and Redondo Beach. $300,000.

Calif., Guerneville—CLUB HOUSE, etc.—Redwoods Holding Co., Monadnock Bldg., San Francisco, having plans prepared by F. E. Barton, Crocker Bldg., San Francisco, clubhouse, bungalows, walking trails, tennis courts, children's playgrounds, etc. $150,000.

Calif., Hollywood (Ind. sta. Los Angeles) —Y. M. C. A., 6600 Selma Ave., having plans prepared by P. Williams, 3839 Wilshire Blvd., Los Angeles, fireproof addition. $150,000.

Calif., Los Angeles — APARTMENT — J. R. Castendyck, archt., 115 North Western Ave., preparing plans 3 story and basement, brick, 12th and Fedora Sts. $150,000. Owner's name withheld.

Calif., Los Angeles — GARAGE — J. Engert, c/o E. J. Borgmeyer, archt., California Bldg., having plans prepared 1 story, 105 x 295 ft., brick, West Vernon Ave.

Calif., Los Angeles — GARAGE and SERVICE — Troy Motor Sales Co., c/o Morgan, Walls & Clements, archts., Van Nuys Bldg., having preliminary plans prepared 4 story (ultimate 12 story), 150 x 203 ft., steel and rein.-con., Wilshire Blvd. and Shatto Pl. Noted Dec. 2.

Calif., Los Angeles—STORE and LOFT—F. Strong, et al, c/o F. Dorn, archt., Rives-Strong Bldg., had plans prepared, 6 (ultimate 12) story, 100 x 150 ft., terra cotta facing, Vine and Hollywood Blvds.

Calif., Redwood City — HOME — San Mateo Co., having plans prepared by W. H. Toepke, 942 Market St., San Francisco, rein.-con. and brick county relief home. $150,000 or more.

Calif., Sacramento—CLUB—Sutter Club, California Natl. Bank Bldg., plans fireproof club. $150,000 or more. Engineer and architect not selected.

Calif., San Francisco — APARTMENT — La Mirada Corp., c/o W. P. Chipman, 625 Market St., having plans prepared by Reid Bros., 105 Montgomery St., 14 story and basement, steel and concrete, Union and Leavenworth Sts. $450,000.

Calif., San Francisco — GARAGE — P. Schlessinger, c/o T. Ronneberg, engr., Crocker Bldg., having plans prepared 2 story, rein.-con., Van Ness Ave. and Market St. $150,000.

Calif., San Francisco — HOTEL and APARTMENT—E. N. Fritz, Jr., Park Lane Apartments, Sacramento and Mason Sts., plans 20 story and basement, fireproof, California St. near Mason St. $1,700,000. Engineer and architect not selected. Noted Jan. 28, 1926.

Que., Montreal—EXCHANGE—Bell Telephone Co., 118 Notre Dame St. W., soon takes bids exchange, Atwater Ave. $400,000.

B. C., Powell River—COMMUNITY HALL, THEATRE, etc.—Powell River Co. Ltd. having plans prepared by J. McIntyre, rein.-con. and steel community hall, theatre, store, apartment houses, hospitals, and new storage warehouse, plain foundations. $1,500,000.

Ont., Gorbyville — WAREHOUSE — Canadian Industrial Alcohol Co. plans two 9 story, 100 x 100 ft. rack storage warehouses, brick, steel and concrete, plain foundations. $400,000. T. Pringle & Son, 84 King St. E. Toronto, engrs.

Bids Desired

Mass., Allston (sta. Boston) — APARTMENT—See "Contracts Awarded."

Mass., Boston—STORE and OFFICE—Blachall, Clapp & Whittemore, archts., 31 West St., taking bids 7 story and basement, 45 x 60 ft., brick and steel, Haywood Pl., for A. W. Perry, Inc., 453 Washington St. $150,000.

Mass., Boston—STORE—Jordan Marsh Co., Washington St., taking bids altering and constructing 4 story and basement, brick addition, plain foundation, Washington St. $150,000 or more. Bigelow & Wadsworth, 3 Hamilton Pl., archts.

Mass., Brighton (Sta. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Dorchester (br. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Dorchester (Boston P. O.) — STORE and OFFICE — See "Contracts Awarded."

Mass., Melrose (Ind. br. Boston) — STORE and APARTMENT—See "Contracts Awarded."

R. I., Woonsocket—BANK and OFFICE—Woonsocket Institution for Savings, c/o T. M. James Co., archts., 3 Park St., Boston, Mass., taking bids 2 story and basement, brick, rein.-con. and steel, plain foundation, Main St. $150,000. Noted Dec. 16.

Conn., New Haven—APARTMENT—F. Rosoff, 42 Church St., taking bids 3 story, 98 x 100 ft., brick, steel and stone, plain foundation, Edgewood Ave. $150,000. H. S. Cannici, 59 Center St., archt. Vapor system.

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—HOSPITAL—Jan. 17, by Bd. Trustees Bellevue & Allied Hospitals, J. J. McGrath, pres., 415 East 26th St., additions and alterations in out-patient dept. Gouverneur Hospital, Gouverneur Slip and Front St. Former bids rejected. Noted Jan. 6.

Pa., Phila.—APARTMENT—See "Contracts Awarded."

Pa., Phila. — THEATRE — Jan. 14, by Hodgens & Hill, archts., 130 South 15th St., 1 story, mezzanine and basement, 43 x 194 ft., rein.-con., brick and steel, plain foundation, 1710 North 22nd St., for H. Moskowitz, 1707 North Croskey St. Noted Dec. 23.

Fla., Jacksonville—HOSPITAL—Jan. 25, by G. A. Barry, archt., Dyal Upchurch Bldg., 5 story and basement, 175 x 275 ft., rein.-con. and brick, plain and wood pile foundation, incl. power house, Bards and St. Johns Sts., for St. Vincents Hospital, West 5th St. $1,000,000.

Ala., Sheffield—HOSPITAL—Jan. 22, by Building Com. Colbert Co. Hospital, A. J. Roulhac, chn., acting jointly for Colbert Co. and cities of Sheffield and Tuscumbia, at Court House, Tuscumbia, hospital, here. B. Price, Age-Herald Bldg., Birmingham, archt. Noted Apr. 1, under "Alabama."

La., New Orleans—HOTEL—Jan. 26, by Monteleone Hotel Co., Royal and Iberville Sts., 18 story, 62 x 100 ft., brick, steel and stone addition, plain foundation. $1,250,000. Wogan & Bernard, Title Guarantee Bldg., archts. Aus Gunvald Co., 244 Madison Ave., New York City, N. Y., engrs. Noted Dec. 2.

Ind., Indianapolis—APARTMENT—See "Contracts Awarded"

Wis., Kenosha—THEATRE—C. W. and G. L. Rapp, archts., 190 North State St., Chicago, Ill., taking bids and open same about Jan. 15, 2 story and basement, brick, concrete and terra cotta, plain foundation, Market St., for Saxe Amusement Enterprises, 530 Grand Ave., Milwaukee. $500,000.

Wis., Milwaukee—STORE and LOFT—Tharinger & Bruecker, archts., 496 Cramer St., taking bids and open same about Jan. 18, 2 story and basement, 77 x 132 ft., brick and steel, plain foundation, Green Bay Ave., for H. P. Haushalter, 1448 Green Bay Ave. $150,000. Noted Oct. 28.

Mo., Kansas City—APARTMENT—See "Contracts Awarded."

Calif., Los Angeles—APARTMENT—See "Contracts Awarded."

Calif., Los Angeles — HOSPITAL and MUSEUM—Jan. 24, by Supervs. Los Angeles Co., steel for general construction County Hospital buildings, total $8,000,000; also steel for Los Angeles Museum Unit 2, at Exposition Park, total $1,250,000. E. Beregstrom, City Natl. Bank Bldg., M. Hunt, Hibernian Bldg., P. Davis, 500 South Rossmore St., S. P. Hunt, 2645 Severance St., and W. Richard, archts.

Calif., San Francisco—APARTMENT—See "Contracts Awarded."

Bids Received

Ia., Waterloo—THEATRE—J. S. Bartley, archt., 903 Pioneer Blk., 4 to 6 story and part basement, 110 x 141 ft., brick, steel and terra cotta, plain foundation, from J. A. Miller, Waterloo, $133,600. Noted Dec. 30.

Calif., San Jose—STORE and OFFICE—Medico-Dental Bldg., Inc., c/o W. H. Weeks, archt., 369 Pine St., San Francisco, general contract 11 story and basement, 40 x 110 ft., rein.-con., 6th and Santa Clara Sts., here, from C. N. Swenson, 400 Burrell Ave., $169,578. Noted Dec. 9.

Buildings—Commercial (Continued)

Contracts Awarded

Mass., Allston (sta. Boston) — APARTMENT — B. Grossman, 35 Orkney Rd., Brookline, will build 3 story and basement, 80 x 100 ft., brick and stone, plain foundation, Strathmore Rd., here, by day labor. $150,000. S. E. Moffie, 51 Cornhill, Boston, archt.

Mass., Boston—BANK—First Natl. Bank of Boston, 67 Milk St., altering and constructing 1 and 2 story and basement, brick, steel and rein.-con. addition to J. M. and C. J. Buckley, 164 Federal St. Archts. est. $150,000.

Mass., Boston—OFFICE—One State St. Trust, 60 State St., altering 14 story and basement, brick and steel, 1 State St., to Olympia Constr. Co., 333 Washington St. Archts. est. $150,000.

Mass., Boston—STORE and OFFICE—Fabyan Estate, c/o A. N. Rantoul, archt., 83 Chestnut St., altering and constructing 4 story and basement, brick, addition, plain foundation, Boylston and Fairchild Sts., to W. A. Wentworth, 107 Pacific St., Cambridge. Archts. est. $150,000. Noted Dec. 30.

Mass., Boston—WAREHOUSE—Boston Wharf Co., 250 Summer St., altering and constructing 3 story, 75 x 150 ft., brick addition, plain foundation, Pittsburgh St., to J. M. and C. J. Buckley Co., 164 Federal St. Archts. est. $150,000. Sherwin-Williams Co., 11 Stillings St., lessee. Noted Dec. 30.

Mass., Brighton (Sta. Boston)—APARTMENT—M. Gladstone, 743 Old South Bldg., Boston, will build 4 story and basement, brick and stone, plain foundation, 286 Chestnut Hill Ave., here, by day labor. $160,000. Silverman, Brown & Heenan, 51 Cornhill, Boston, archts.

Mass., Dedham—STORE and OFFICE—High St. Assn., 3 story and basement, brick and stone, plain foundation, Washington and High Sts., to J. P. Kenney, 2071 Centre St., West Roxbury. Archts. est. $150,000.

Mass., Dorchester (br. Boston)—APARTMENT — Dyer & Butler, 294 Washington St., Boston, will build 4 story and basement, brick and stone, plain foundation, Adams St., here. Work will be done by separate contracts. Private plans.

Mass., Dorchester (Boston P. O.) — STORE and OFFICE—Simons & Weiner, 2 Mascoma St., will build 3 story and basement, brick, plain foundation, Washington & Kenwood Sts. $150,000. Work will be done by separate contracts. Private plans. Noted Oct. 21.

Mass., Egypt — HOSPITAL — Childrens' Sunlight Hospital, c/o J. W. Beal Sons Co., archts., 185 Devonshire St., Boston, altering and constructing 3 story and basement, brick addition plain foundation, here, to Ellsworth Curtis, Front St., North Scituate. Archts. est. $150,000. Noted Dec. 16.

Mass., Melrose (Ind. br. Boston) — STORE and APARTMENT—W. L. Roop, 294 Washington St., Boston, will build 4 story and basement, brick, plain foundation, West Emerson and Essex Sts. $200,000. Work will be done by separate contracts. Private plans. Noted Jan. 6.

Mass., Roxbury (br. Boston)—BANK—Atlantic Natl. Bank, 10 Post Office Sq., Boston, 2 story and basement, brick, steel and rein.-con., plain foundation, 1199 Washington St., here, to J. C. Pitcher, 46 Cornhill, Boston. Archts. est. $150,000. Noted Dec. 23.

Mass., Somerville (Boston P. O.)—STORE—F. W. Woolworth Co., Park Sq. Bldg., Boston altering and constructing 2 story and basement, brick and stone addition, plain foundation, 260 Elm St., here, to E. H. Porter Co., 15 Wallis St., Peabody. Archts. est. $150,000.

Conn., Hartford — BUSINESS — Garber, Wigel & Toretsky, 120 Morgan St., 6 story, 82 x 115 ft., brick, steel and stone, Asylum St., to G. Cudemo & S. E. Contg. Co., 68 Temple St. Archts. est. $225,000. Noted Dec. 30.

N. Y., Buffalo—HOSPITAL—City Hospital Comn., general contract hospital addition, Grider St., to J. W. Cooper Co., Fidelity Bldg., $1,749,950; heating, to Chippewa Plumbing Co., 80 College St., $223,000; plumbing, to G. H. Drake, Inc., 298 Lexington Ave., $129,900; and electrical work to Volker Bros., Inc., 219 Franklin St., $66,366. Grand total $2,169,216. Noted Apr. 15.

N. Y., New York—APARTMENT—Fifty-One West 86th Street Corp., M. Seigel, pres., 120 Bway., 16 story, 70 x 100 ft., brick, steel and stone, plain foundation, West 86th St., to J. E. Seigel, 345 Madison Ave. Archts. est. $800,000. Noted Dec. 23.

N. Y., New York—APARTMENT—S. J. Kessler, 529 Courtlandt Ave., 6 story, 100 x 160 ft., brick, steel and stone, plain foundation, University Ave., to Paladino Constr. Co., 437 East 120th St. Archts. est. $260,000.

N. Y., New York — APARTMENT — M. Moscholick, c/o Glick & Duma, archts., 400 East Fordham Rd., will build 6 story, 100 x 150 ft., brick, steel and stone, plain foundation, 204th St. and Grand Concourse. $300,000. Work will be done by separate contracts.

N. J., Elizabeth—HOTEL—One Thousand One Hundred Fifty-Five East Jersey Street Corp., 190 Market St., Newark, brick, steel and stone, plain foundation, 1153-1155 East Jersey St., here, to A. G. Constr. Co., 190 Market St., Newark. Archts. est. $500,000.

N. J., Newark — OFFICE — Medical Towers, 972 Broad St., will build 15 story, brick, steel and stone, plain foundation, Lincoln Park. $500,000. Work will be done by separate contracts, under supervision W. E. Lehman, 972 Broad St., engr. and archt.

Pa., Phila.—APARTMENT—S. Silverman, Land Title Bldg., will build 4 story and basement, 33 x 42 ft., and 33 x 144 ft., rein.-con., brick and steel, plain foundation, 4101-03 Spruce St., by day labor. $425,000. Private plans.

Pa., Phila.—STORE—A. S. Love, Jr., archt., 116 North 22nd St., 4 story and basement, 40 x 115 ft., rein.-con. and brick, plain foundation, 2012 Chestnut St., to W. Steele & Son Co., 219 North Broad St., for D. Love, Wynnewood St. J. B. Shepherd & Co., 1008 Chestnut St., lessee. Noted Dec. 30.

Pa., Pittsburgh—OFFICE—J. I. Simon, 527 5th Ave., general contract Plaza Office, 12 story and basement, 70 x 111 ft., 6th Ave. and Ross St., to F. T. Ley Co., 578 Madison Ave., New York City, N. Y. Archts. est. $900,000. Noted Aug. 5.

Fla., Jacksonville—STORE—Levy, Inc., 4 story and basement, 87 x 109 ft., rein.-con. and steel, wood pile foundation, Hogan and Adams Sts., to James Stewart & Co., Inc., New Barnett Bank Bldg. Archts. est. $275,000.

O., Cleveland—STORE and OFFICE—Bonar Realty Co., c/o F. P. Price, pres., 12919 St. Clair Ave., 2 story and basement, 50 x 256 and 35 x 89 ft., brick, 10004 and 10535 Carnegie Ave., to A. Schultz, 744 East 126th St. Archts. est. $175,000. Noted Dec. 30.

Ind., Indianapolis—APARTMENT—T. B. Brydon, 124 South Bolton St. will build two 3 story and basement, rein.-con., brick and steel, 5228 and 5258 East Washington St. Archts est. $175,000. Work will be done by separate contracts. Private plans. Noted July 16.

Ill., Chicago—APARTMENT—Delaware Place Building Corp., c/o J. A. Armstrong, archt., 137 North Dearborn St., masonry and carpentry contract 16 story and basement, 80 x 100 ft., 16-22 East Delaware Pl., to J. T. Johnson, 200 East Erie St. Archts. est. $1,000,000.

Ill., Chicago — APARTMENT — Gubbins, McDonnell & Blietz, 6505 Sheridan Rd., masonry contract 3 story, 34 x 219 ft., brick, 2438-50 and 2500-08 Estes Ave., to E. Borg, 7000 Pingree St., $150,000.

Ill., Chicago — APARTMENT — Walin, Greenberg & Levinson, 155 North Clark St., masonry contract 3 story, 58 x 173 ft. apartment, 5222-26 Drexel Ave., to Rune & Son, 6744 Ridgeland Ave., $150,000.

Ill., Chicago — APARTMENT — Walin, Greenberg & Levinson, 155 North Clark St., masonry contract 3 story, 132 x 270 ft., brick, 5228-38 Drexal Ave., to Rune & Sons, 6744 Ridgeland Ave. Archts. est. $250,000.

Ill., Chicago—JAIL, ADMINISTRATION and CRIMINAL COURT — Superintendent Pub. Serv., County Bldg., general contract jail, administration and criminal court buildings, South California Ave. and West 26th St., to Great Lakes Constr. Co., 306 South Wabash Ave., $4,672,000; ventilating and steam fitting, to Kenzie Eng. Corp., 216 West Kenzie St., $327,000; plumbing, to Katz & Lewis, 1851 West Roosevelt Rd., $465,000; refrigeration, to Wittenmeier Mchy. Co., 850 North Spalding Ave., $8,390; electric fixtures, etc., to Fries Walter Co., 2001 West Pershing Rd., $144,500; and tool proof steel for cells, to Van Dorn Iron Wks., 2685 East 79th St., Cleveland, O., $1,399,059. Grand total $7,015,949. Noted Jan. 6.

Ill., East St. Louis — OFFICE — A. T. Spivey et al, c/o East St. Louis Daily Journal, 12 story and basement, 80 x 133 ft., rein.-con., steel, gray brick, terra cotta and granite, Missouri Ave., to Wimmer Contg. Co., Victoria Bldg., St. Louis, Mo. Archts. est. $600,000.

Wis., Milwaukee — APARTMENT — Gibraltar Realty Co., c/o C. J. Keller & Son, archts., 522 Van Buren St., 5 story and basement, 47 x 126 ft., brick and steel, plain foundation, 14th St., to Raulf Co., 428 Grand Ave. Archts. est. $175,000. Noted Dec. 16.

Wis., New London — CHURCH — Church of the Most Precious Blood, O. Kolbe, pastor, having plans prepared by E. Brielmaier & Sons, 425 East Water St., Milwaukee, 2 story and basement, stone and concrete, plain foundation. $150,000.

Wis., Portage — HOTEL — Raulf Hotel Co., 428 Grand Ave., Milwaukee, 3 or 4 story and basement, brick and concrete, plain foundation, to Raulf Co., 428 Grand Ave., Milwaukee. To exceed $150,000.

Wis., Racine — THEATRE — Universal Chain Theatrical Enterprises, 730 5th Ave., New York City, N. Y., general contract 3 story and basement, 120 x 145 ft., concrete, brick and steel, Main St., to United Studios, Inc., 28 West Lake St., Chicago, Ill. Archts. est. $600,000.

Minn., Willmar — HOTEL — Lakeland Hotel Corp., B. J. Branton, pres., 5 story and basement, 85 x 100 ft., rein.-con. and stone hotel, here, to Field-Martin Co., 720 South 6th St., Minneapolis. Approximately $150,000. Former contract rescinded. Noted Oct. 28.

Mo., Kansas City—APARTMENT—M. H. Hess, c/o N. E. Peters, archt., Orear Leslie Bldg., will build 2 story and basement, 134 x 140 ft., rein.-con. and brick, 3616 East 12th St., by day labor. $150,000.

Wash., Seattle—OFFICE—A. McQuaker, archt., McDowall Bldg., 6 story and basement, rein.-con. and steel, 6th and Pine Sts., to Sheble & Snyder, McDowall Bldg., for J. K. McDowall, McDowall Bldg., $390,000. Noted Aug. 12.

Ore., Portland — GARAGE — Portland Electric Power Co., Electric Bldg., 100 x 240 ft. steel garage, clear height 14 ft., incl. special repair and greasing pits, etc., here, to Austin Co., 16112 Euclid Ave., Cleveland, O.

Calif., Calexico—HOTEL—G. A. Eastman, 3 story and basement, frame and stucco, to Union Eng. Co., 301 Bartlett Bldg., Los Angeles, approximately $150,000. Noted Nov. 4.

Calif., Los Angeles — APARTMENT — Jones & Ward, 1555 Western Ave., will build 4 story and basement, concrete apartment, Serrano St., by day labor. $175,000.

Calif., Los Angeles—APARTMENT—D. M. Morris, 6 story and basement, steel and concrete, Mariposa Ave. and 2nd St., to Callahan & Sons, Edwards & Wildey Bldg., approximately $150,000 or more.

Calif., Los Angeles—GARAGE—Chapman Bros., 3469 West 6th St., 5 story and basement, 90 x 275 ft., rein.-con., 6th St. and Mariposa Ave., to J. C. Bannister, 6331 Hollywood Blvd., $250,000. Noted Dec. 30.

Calif., Los Angeles—GARAGE—Curlett & Beelman, archts., Union Bank Bldg., 6 story and 3 basement, 145 x 53 ft., rein.-con. and steel, 9th and Hill Sts., to H. H. Burch Co., I. W. Hellman Bank Bldg., for May Co., 9th and Hill Sts. $500,000. Noted Dec. 16.

Calif., Los Angeles — MERCANTILE — Sears, Roebuck & Co., Arthington and Homan Sts., Chicago, Ill., two 9 story and basement, 103 x 363 ft., one at East 9th St. between Soto and Rio Vista Sts., and other Slauson Ave. between Vermont and Menlo Aves., both rein.-con., to Scofield Eng.-Constr. Co., Pacific Finance Bldg., $5,000,000. Noted Dec. 23.

Calif., Oakland—MEMORIAL—Alameda Co., 2 story and basement, concrete, Adams Park, to Schuler & McDonald, 1723 Webster St., $254,765. Noted Jan. 6.

Calif., San Francisco—APARTMENT—V. Fassio, 165 Julian St., 10 story and basement, rein.-con., Turk St. near Leavenworth St., to Mission Concrete Co., 125 Kissling St., approximately $300,000.

Calif., San Francisco—APARTMENT—Quandt & Bos, et al, Humboldt Bank Bldg., will build 10 story and basement, and subbasement, concrete and steel apartment, Larkin St. near Greenwich St., by day labor. $275,000.

Mexico, Nueva Laredo — HOTEL, CASINO and CLUB—Laredo Downs, Inc., J. W. Choate, R. E. Lee Hotel, Laredo, Tex., 8 story and basement hotel, and 3 story and part basement casino and club, both rein.-con., steel and stucco, plain foundations, here, to Kelwood Co., Travis Bldg., San Antonio, Tex. Archts. est. $750,000 and $160,000 respectively. Noted Jan. 6 under "Unclassified."

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Buildings—Industrial

Proposed Work

Me., Portland — CHEMICAL PLANT — Schlotterback & Foss, 36 Brown St., having plans prepared by J. C. & J. H. Stevens, 477 Congress St., brick and steel, plain foundation. $200,000. Noted June 17.

Mass., Arlington—REPAIR and SERVICE GARAGE—Blomquist & Howes, 100 Charles River Rd., Cambridge, plans 1 story, brick and rein.-con. repair and service garage, here. $50,000. Engineer and architect not selected.

Mass., Everett (br. Boston) — REPAIR and SERVICE GARAGE — Maltzman & Rovner, 22 Summer St., having revised plans prepared by D. R. Moffie, 51 Cornhill, Boston, 1 story, 85 x 140 ft., rein.-con. and brick, plain foundation, Chelsea and Clinton Sts. $45,000. Former bids rejected.

Mass., Haverhill—BAKERY—Twentieth Century Bakery Co., Inc., 32 Fleet St., had plans prepared by M. H. Maney, 46 Cornhill, Boston, 3 story, brick, steel and concrete, Fleet St. To exceed $40,000.

Mass., Lynn—BAKERY—Cushman Baking Co., N. A. Cushman, pres., 545 Congress St., Portland, Me., plans bakery, 60,000 sq. ft., Sanderson St., here. To exceed $40,000. Engineer and architect not selected.

Mass., New Bedford—REPAIR—Tourists Garage, 125 Middle St., having plans prepared by E. G. Bullard & Son, 808 Purchase St., 1 story, rein.-con., Middle St. $50,000.

Mass., Taunton—REPAIR and SERVICE GARAGE—J. P. Carr, 38 Court St., plans remodeling and constructing 1 and 2 story, rein.-con. addition. $40,000. Engineer and architect not selected.

Conn., East Hampton—POWER HOUSE —Central Connecticut Power & Light Co., 72 Main St., plans large rein.-con., brick and steel power plant on site of Leesville plant, $1,000,000; also concrete and earth dam 80 ft. high, on Salmon River, to exceed $25,000. Private plans.

Conn., Bridgeport—PLANT—H. F. Holbrook-Henry Brewster Corp., 1720 Fairfield Ave., having plans prepared by Fletcher-Thompson, Inc., 542 Fairfield Ave., rein.-con. and brick addition. To exceed $40,000.

Conn., Bridgeport — POWER HOUSE — United Illuminating Co., 1115 Broad St., having plans prepared by Westcott & Mapes, engrs. and archts., 139 Orange St., New Haven, brick and steel, concrete pile foundation, East Main St. $200,000.

Conn., Bridgeport—SALES and SERVICE—Miller Motor Sales Co., Fairfield Ave., having plans prepared by H. Koerner, 83 Fairfield Ave., 1 story and basement, 50 x 106 ft., rein.-con. brick and steel, concrete pile foundation. $45,000.

Conn., New London—GARAGE—Broad Street Auto Co., S. M. Sulman, 8 Shapley St., had plans prepared by F. De Gange, 60 Ocean Ave., 1 story, 20 x 175 ft., brick and steel, Broad St. $100,000. Noted July 29.

Pa., Meyersdale — POWER SUB-STATION—Penn Pub. Serv. Corp., Johnstown, plans 1 story, rein.-con. and steel power sub-station, on 200 x 200 ft. site, Olinger St., here. $150,000.

Tenn., Chattanooga — COLD and DRY STORAGE PLANTS—J. H. Street and associates, Times Bldg., plans 4 story and basement, 200 x 291 ft. cold storage, and 2 story and basement, 142 x 342 ft. dry storage plants, both rein.-con. and steel. $750,000.

O., Mogadore — FACTORY — Comwall Quality Tool Co., Cuyahoga Falls, plans 1 story, brick and steel factory, along Wheeling and Lake Erie R.R. $60,000.

Ind., Bloomington—FACTORY—Showers Bros. having plans prepared by H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O., brick and steel factory, incl. central power plant. $400,000.

Ind., Lafayette—RAILROAD SHOPS—Bd. Directors Chicago, Indianapolis & Louisville R.R., A. S. Kent, ch. engr., 608 South Dearborn St., Chciago, Ill., plans rein.-con., brick and steel railway shops, here. $350,000.

Ind., Indianapolis — MACHINE SHOP and SERVICE—Thornburg-Lewis Co., 1300 East Washington St., having plans prepared by Doeppers & Lennox, 226 East Michigan St., 2 story and basement, 90 x 188 ft., rein.-con., brick and steel machine shop and auto service building. $50,000.

Ill., Chicago—CLEANING and DYEING PLANT—Syndicate, c/o L. A. Albert, 3318 Sheridan Rd., having plans prepared by Koenigsberg & Weisfeld, 155 North Clark St., and soon takes bids 2 story, 200 x 300 ft., rein.-con. and brick, incl. restaurant, storage rooms, etc., 2600-24 Addison St. $1,000,000.

Wis., Burlington — CREAMERY — J. Bazal, 558 Conkey St., having plans prepared by Davis & Tuckwell, 377 National Ave., Milwaukee, remodeling and constructing 3 story and basement, 45 x 46 ft., brick and concrete addition, plain foundation, here. $40,000.

Wis., Janesville — FACTORY—Northern Conveyor Co., West State St., plans 1 story, brick addition, plain foundation, here. To exceed $40,000. Private plans.

Wis., La Crosse—MACHINE SHOP, OFFICE and GARAGE—Standard Oil Co., 910 South Michigan Ave., Chicago, Ill., soon takes bids brick and steel, plain foundation, here. $100,000. R. N. Allen, c/o owner, archt.

Wis., Madison—PLANT—Blied Printing Co., East Washington Ave., plans 2 story, 60 x 150 ft., rein.-con., brick and steel, plain foundation, Webster St. $40,000. Engineer and architect not selected.

Wis., Madison—PLANT—Dirienzo Bros. Co., 2436 Regent St., plans 2 story, rein.-con., brick and steel, plain foundation, Regent St. $40,000. Engineer and architect not selected.

Wis., Madison—SERVICE STATION and PLANT—F. L. Kronenberg, archt., Carroll Blk., preparing plans 2 story, brick and steel service station and plant. $50,000. Owners name withheld.

Minn., Minneapolis—FACTORY—Strong-Scott Mfg. Co., 413 South 3rd St., had plans prepared by Larsen & McLaren, 308 Baker Bldg. and takes bids in March, 1 and 2 story, 100 x 500 ft., rein.-con. and brick, concrete pile foundation, Taft and Kennedy Sts. N. E. $170,000.

Minn., Minneapolis — GARAGE — Dale Bros., 1204 East Lake St., had plans prepared by P. E. Crosier, 915 New York Life Bldg., and takes bids in spring, 3 story and basement, brick and concrete, 11th and East Lake Sts. $50,000.

Neb., Omaha — STEEL PLANT — Gate City Iron Wks., 11th St. and Seward Ave., plans fabricating plant addition; also foundry and machine shop, 11th St.

S. D., Sioux Falls—PACKING PLANT—John Morrell Packing Co., plans 6 story and basement manufacturing building; 6 story, 32 x 121 ft. byproducts building; and 2 story 72 x 110 ft. arch structure, here. $250,000. Engineer and architect not announced.

Mo., Kansas City—WAREHOUSE—Chicago, Milwaukee & St. Paul R.R. Co., C. F. Lowther, ch. engr., Union Sta., Chicago, Ill., plans 5 story and basement, rein.-con., 20th and Main Sts., here. $500,000.

Ark., El Dorado—GARAGE and SERVICE STATION — J. G. Mitchell plans 2 story and basement, 100 x 150 ft., rein.-con., brick, steel and tile garage and service station. $75,000.

Ark., Prescott—ICE PLANT—Southern Ice & Utilities Co., Santa Fe Bldg., Dallas, Tex., having plans prepared ice plant 60 ton daily capacity with storage houses 10,000 ton capacity, main storage room 66 x 100 ft., 65 ft. high, concrete, also small work and machinery rooms, etc. $190,000. Noted Jan. 6.

Tex., Brownwood—ICE PLANT—Morgan-Wade Utilities Corp., A. O. U. W. Bldg., Little Rock, Ark., making surveys, etc., altering and constructing addition to plant, recently purchased from Crystal Ice Co., here. $40,000. Private plans.

Tex., McCamey—WAREHOUSE—Frick-Reid Supply Co. having preliminary plans prepared rebuilding probably 2 story concrete and corrugated iron warehouse, recently destroyed by fire. $150,000. Engineer and architect not selected.

Tex., Quanah—POWER PLANT, etc.—Southwestern Light & Power Co., 72 West Adams St., Chicago, Ill., purchased site and plans power plant at Lake Pauline. $250,000. L. C. Miller, c/o owner, engr.

Oklahoma—HYDRO-ELECTRIC PLANT —F. and D. Dierks, 700 Gates Bldg., Kansas City, Mo., made surveys hydro-electric plant, on Mountain Fork River in McCurtain Co., here. $700,000.

Okla., Ponca City—ELECTRIC LIGHT PLANT — Voted $300,000 bonds, electric light plant. J. E. Crow, Ponca City, engr.

Mexico, Palao—POWER PLANT—Nat'l Lines of Mexico Coal Mines, c/o E. Gonzales Salas, mgr., Mexico City, plans power plant and coke plant. $500,000.

Wash., Aberdeen — PULP and PAPER PLANT—Crown-Willamette Paper Co., 77 Montgomery St., San Francisco, Calif., purchased site and plans (1st unit) 100 ton sulphide pulp mill, here. $3,000,000. Total $8,000,000.

Calif., Los Angeles—FACTORY—Wurlitzer Co., 814 South Bway., having plans prepared by Austin Co. of California, 777 East Washington St., 1 story, 100 x 250 ft., brick, East 4th St. $80,000.

Que., St. Alban — POWER HOUSE — Portneuf Power Co., Portneuf, plans constructing power house and dam on St. Anne de la Perade River near here, $1,500,000.

Ont., Forest Hill—FACTORY and MILL —Myers Lumber Co., Spadina Rd. and Eglinton Ave., having plans prepared 1 and 2 story woodworking plant, rein.-con., brick and steel, plain foundation recently destroyed by fire, Spadina Ave. $150,000. Private plans.

Ont., Niagara Falls — FACTORY — Canadian Shredded Wheat Co., J. Costello, mgr., plans factory extension and installing additional special equipment for manufacturing shredded wheat. $100,000.

B. C., Vancouver—FACTORY—Townley & Matheson, archts., 325 Homer St., preparing plans and take bids about Jan. 21, 4 story, 50 x 100 ft., brick addition to steel bed factory, 11th Ave. W., for Simmons Ltd., 2034-11th Ave. W. $50,000.

Bids Desired

Mass., Boston—POWER HOUSE—See "Contracts Awarded."

Mass., Chelsea (br. Boston) — REPAIR and SERVICE GARAGE—See "Contracts Awarded."

Mass., Dorchester (br. Boston)—FACTORY—Joseph Pollak Tool & Stamping Co. Inc., Freeport St., taking bids 3 story, 50 x 70 ft., brick addition, plain foundation. Freeport St., Miller & Levi, 46 Cornhill, Boston ,archts.

Mass., East Boston (Boston P. O.)—REPAIR and SERVICE GARAGE—E. Sorrentine, 82 Porter St., taking bids 1 story, 50 x 100 ft., rein.-con. and steel, plain foundation, 152-154 Paris St. $40,000. B. C. Gallo & Co., 42 Maverick Sq., archts.

Mass., Newton (Ind. br. Boston)—SALES, SERVICE and REPAIR GARAGE—P. A. Murray & Co., 210 Washington St., Boston, taking new bids 2 story rein.-con. and brick, plain foundation. $40,000. Private plans. Noted Jan. 6.

Mass., Springfield — DYE HOUSE — See "Contracts Awarded."

Va., Richmond—PLANT—Jan. 17, by Continental Tobacco Co., F. M. Collier, vice.-pres., 1923 East Main St., 7 story, modern tobacco factory addition, 20th and Carey Sts. $350,000. Francisco & Jacobus, 511 5th Ave., New York City, engrs.

Fla., Jacksonville — POWER HOUSE — See "Buildings—Commercial."

O., Chagrin Falls—HEATING PLANT—Feb. 7, by Bd. Educ., H. B. Pugsley, clk., centralized heating plant, brick, here. A. M. Allen & Co., 7016 Euclid Ave., Cleveland, engr. and archt. Noted Dec. 30.

O., Cleveland — FACTORY — Cleveland Gasket & Mfg. Co., c/o H. A. Lindsley, mgr., 1610 West 116th St., and G. F. Hammond, archt., Zanesville, taking bids, 3 story and basement, 80 x 120 ft., brick and steel factory, 1602 West 116th St. $75,000. Noted Jan. 6.

Ind., Indianapolis—SERVICE and MACHINE SHOP—S. Cohen & Son, taking bids 2 story and basement, 100 x 136 ft., brick and steel, 140 West Vermont St. $45,000. Kay, 738 Lemoke St., archt.

Ill., Waukegan — MANUFACTURING — See "Contracts Awarded."

Ia., Mason City—AUTO REPAIR—See "Contracts Awarded."

Ark., Gould—ICE PLANT and LIGHT UNIT—See "Contracts Awarded."

Tex., Austin—POWER HOUSE—Jan. 18, by Bd. Regents University of Texas, fireproof power plant, on campus. Separate bids on general contract, incl. wiring, plumbing and heating; also takes bids piping and breechings of power plant. Herbert M. Greene Co., Santa Fe Building, Dallas, archts.

Calif., San Francisco — SHOPS — See "Contracts Awarded."

Calif., San Jose—PACKING PLANT—P. Bush, engr., 101 California St., San Francisco, taking bids 1 story, 100 x 200 ft., brick and frame annex, West San Carlos

Buildings—Industrial (Continued)

St., here, for California Packing Corp., 101 California St., San Francisco.

Contracts Awarded

Mass., Boston — POWER HOUSE — Quincy Market Cold Storage & Warehouse Co., 178 Atlantic Ave., will alter 2 story, brick, 69 Eastern Ave., by day labor. $75,000. F. L. Fairbanks, 133 Commercial St., engr.

Mass., Cambridge (br. Boston) — FACTORY—Cambridge Industrial Trust, 94 Ames Bldg., Boston, altering and constructing 2 story, brick addition, plain foundation, 814 Main St., to W. M. Bailey Co., 88 Broad St., Boston. Archts. est. $40,000.

Mass., Chelsea (br. Boston) — REPAIR and SERVICE GARAGE—J. H. Reagan, 154 Lexington St., Cambridge, will build 1 story, 100 x 150 ft., brick, plain foundation, 2nd St. $50,000. Work will be done by separate contracts. Private plans.

Mass., East Cambridge (mail Boston)—FACTORY—Federal Iron Wks., 119 1st St., altering and constructing 1 story, brick addition, plain foundation, to W. T. Powers, 24 Union Sq. Somerville. Archts. est. $40,000.

Mass., Everett (br. Boston)—FACTORY—D'Antillio Marble & Tile Co., 130 Tremont St., will build 1 story, brick addition, plain foundation, Tremont St. $40,000. Work will be done by separate contracts. Private plans.

Mass., Jamaica Plain (sta. Boston)—REPAIR and SERVICE GARAGE—J. C. Magnet, 18 Tremont St., Boston, 1 story, 37,600 sq.ft. floor space, brick and stone, plain foundation, Floyd and Basswood Sts., here, to Frankini Bros., 30 Mystic Ave., Medford. Archts. est. $100,000.

Mass., Roxbury (Boston P. O.) — REPAIR and SERVICE GARAGE—G. F. Golub, 12 Garden St., Boston, 100 x 190 ft., rein.-con. and brick, plain foundation, 812-814 Huntington Ave., here, to J. Gauvreau Co., 11 Beacon St., Boston. Archts. est. to exceed $50,000.

Mass., Roxbury (Boston P. O.)—REPAIR and SERVICE GARAGE—S. Rudnick, 333 Washington St., Boston, will build 1 story, 85 x 190 ft., rein.-con., plain foundation, Clifford St. near Warren St. $75,000. Work will be done by separate contracts. Eisenberg & Feer, 46 Cornhill, Boston, archts.

Mass., Springfield—DYE HOUSE—City Dye Wks., 1159 State St., will build 1 story, 50 x 100 ft., brick addition, plain foundation. $40,000. Work will be done by separate contracts. H. L. Sprague, 310 Main St., archt.

R. I., Auburn (mail Providence) — PLANT—Respio, Inc., 1 and 2 story, brick storehouse and picher building addition to plant, plain foundation, to J. W. Bishop Co., 93 Eddy St., Providence. Archts. est. $40,000 or more. Noted Dec. 23.

Conn., Hartford—SERVICE and SALES—Packard Motor Co., 150 Washington St., 2 story, 125 x 145 ft., rein.-con., brick and steel addition, plain foundation, Park and Washington Sts., to Aberthaw Co., 80 Federal St., Boston, Mass. Archts. est. to exceed $40,000. Noted Dec. 30.

Conn., New Haven — BAKERY — Bronx Bakery, 89 Oak St., 2 story, 35 x 105 ft., brick, Oak St., to N. E. Contg. Co., West Haven. Archts. est. to exceed $40,000.

Conn., New Haven—ICE CREAM PLANT—Brock Hall Dairy Co., Inc., 2 story brick addition, Whitney Ave., to Larkin-Carey Co., 166 Brewery St.

Conn., New Haven—GARAGE and REPAIR SHOP—Owner, c/o J. Lucibello, 60 Pierpont St., 1 story, 45 x 200 ft., rein.-con., brick and steel. Grand Ave., to New England Constr. Co., Grand Ave. Archts. est. $50,000.

O., Canton—FACTORY—Luehrs Co., 118 St. Clair Ave., Cleveland, 1 story, 101 x 122 ft., brick and steel, to J. C. F. Shafer Co., Smythe Bldg., Cleveland. Archts. est. $60,000. Noted Dec. 23.

Ind., Beech Grove — PLANT — Barrett Co., 40 Rector St., New York City, general contract brick, steel and stucco plant, here, to Krebay Constr. Co., 805 City Trust Bldg., Indianapolis.

Ill., Waukegan — MANUFACTURING — Johns-Manville, Inc., 296 Madison Ave., New York City, will build rein.-con. and steel plant, here, by day labor; steel contract for same awarded to Amer. Bridge Co., 208 South La Salle St., Chicago. Archts. est. $300,000.

Wis., Antigo—POWER HOUSE—Kraft Cheese Co., 402 Rush St., Chicago, Ill., and Antigo, general contract 47 x 57 ft., brick and concrete addition, plain foundation, to A. Marmes, Antigo; 80 ft. concrete stack, to Weber Chimney Co., 332 South Michigan Ave., Chicago, Ill. Engrs. est. $50,000.

Wis., Milwaukee — FACTORY — Bradley Wash Fountain Co., 2203 Clybourn St., 1 story, 60 x 100 ft., rein.-con. and brick, plain foundation, Clybourn St., to E. C. Knuth & Co., 2911 Fond du Lac Ave. Engrs. est. $40,000.

Wis., Milwaukee — WAREHOUSE and GARAGE — Marcus Realty Co., 1368 31st St., 3 story and basement, 82 x 150 ft., and 60 x 100 ft., brick and steel, plain foundation, 30th St., to Meyer, Inc., 539 4th St. Archts. est. $100,000. Hartman Furniture & Carpet Co., 144 South Wabash Ave., Chicago, Ill., lessee.

Ia., Mason City—AUTO REPAIR—Olaf Ulen Radiator Repair Wks., 325 South Delaware Ave., will build 2 story, 88 x 99 ft., brick and concrete, South Delaware Ave., by day labor. $50,000.

Minn., Minneapolis — FACTORY — Minneapolis Heat Reg. Co., 2747 4th Ave. S., general contract 6 story and basement, 57 x 165 ft., rein.-con. and brick addition, concrete pile foundation, 27th St. and 4th Ave., to Pike & Cook, 416 South 5th St. Archts. est. $200,000.

Mo., Kansas City — WAREHOUSE and SERVICE DEPT. — Gallon Iron Wks. & Mfg. Co., Gallon, O., 1 story, rein.-con. and brick, here, to Wood Bros., Trinity Bldg. Archts. est. $75,000.

Mo., Kansas City—ICE PLANT—A. O. Thompson, c/o A. O. Thompson Lumber Co., 3100 East 18th St., 1 story, 22 x 70 ft., rein.-con., brick and steel, 201 West 1st St., to Morley Bros. Constr. Co., Dwight Bldg. Engrs. est. $40,000.

Mo., St. Joseph — BREWERY — M. K. Goetz Brewing Co., 2 story and basement, 90 x 212 ft., brick and concrete addition to brewery, 6th and Albermarle Sts., to Lawhon Constr. Co., 905 Edmond St. Archts. est. $50,000.

Mo., Springfield — COLD STORAGE PLANT—Springfield Ice & Refrigeration Co., A. J. Johnson, secy., 227 West Mill St., 2 story, 86 x 106 ft., rein.-con. and brick, here, to W. E. Fogerson, 919 South McCann St. Archts. est. $130,000.

Ark., Camden—PLANT—Camden Tile & Pottery Co., c/o S. J. Carnes, 1 story, 40 x 112 ft., and 1 story, 40 x 40 ft., concrete and brick plant, to J. T. Mandenhall, Camden. Archts. est. $60,000.

Ark., Gould—ICE PLANT and LIGHT UNIT—Gould Cooperage Light & Ice Co., D. V. Leatherma, pres., will build 1 story, 33 x 70 ft., concrete and brick plant, by day labor. Archts. est. $50,000.

Tex., Laredo—GARAGE—Auto Supply Co., c/o R. W. Wilkes, general contract 1 story, 110 x 165 ft., rein.-con., brick and stone, plain foundation, to Kelwood Co., Travis Bldg., San Antonio, approximately $40,000.

Okla., Seminole—ICE PLANT—Western Ice & Cold Storage Co., c/o Oklahoma Utilities, Local Bldg., Oklahoma City, new 20 ton raw water plant and cold storage room, to Pillsbury-Becker, Dallas, Tex., $45,000. Noted Oct. 28.

Calif., San Francisco — SHOPS — U. S. Steel Products Co., Rialto Bldg., will build Mill type, steel and corrugated iron shops, foot of 20th St., by day labor. $48,000.

Buildings—Educational, Religious

Proposed Work

Me., Belfast—SCHOOL—City, Mayor's Office, City Hall, plans 10 room school. $150,000 or more. Engineer and architect not selected.

N. H., Manchester — ART GALLERY — Currier Art Gallery, soon takes bids art gallery. $200,000. E. L. Tilton, 141 East 45th St., New York City, engr. and archt.

Mass., Bedford—SCHOOL—Town, School Bd., having preliminary plans prepared by Derby & Robinson, 3 Joy St., Boston, 2 story and basement, brick, high and grade school. $200,000.

Mass., Brockton—CHURCH—Church of Our Lady of Ostrabama, I. E. Limont, pastor, 696 North Main St., plans 1 story and basement, North Main St. $150,000 or more. Engineer and architect not selected.

Mass., Chelsea (br. Boston) — HIGH SCHOOL—St. Roses Parish, M. J. Scanlon, pastor, having preliminary plans prepared by E. T. P. Graham, 171 Newbury St., Boston, altering and constructing 2 story and basement, brick addition. $150,000.

Mass., Framingham—SCHOOLS—Town plans two 1 and 2 story and basement, brick schools, one on Franklin St. and one at Beacon and Leland Sts. $200,000. Engineer and architect not selected.

Mass., Harwich — HIGH and GRADE SCHOOL—Town, W. N. Eldredge, chn. com., having plans prepared by Morse & Chase, 15 Washington St., Haverhill, 2 story and basement, brick and stone, plain foundation. $175,000.

Mass., Leominster—NURSES HOME—Leominster Hospital Assn., W. H. Cropper, pres., plans nurses home. $150,000. Engineer and architect not selected.

Mass., Malden (br. Boston) — SYNAGOGUE—Congregational Ezreth Israel, 325 Bryant St., having plans prepared by C. F. Springall, 84 Sprague St., 2 story and basement, brick and steel, plain foundation, Bryant St. $150,000.

Mass., New Bedford — SCHOOL — City Property Comn., plans 2 story and basement, brick, school Ashlet Blvd. and Acushnet Ave. $150,000. Engineer and architect not selected.

Mass., New Bedford — SCHOOL — City Public Buildings Dept., plans vocational school, Purchase St., $150,000 or more. Engineer and architect not selected.

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Buildings—Educational, Religious (Cont.)

Mass., New Bedford—HIGH SCHOOL—City, City Property Com., plans 2 story and basement, brick and stone addition. $150,000 or more. Engineer and architect not selected.

Mass., New Bedford — SCHOOL — St. Theresa's Parish, Ashley Blvd., plans 2 or 3 story and basement, brick school. $175,000. Engineer and architect not selected.

Mass., Newton (Ind. br. Boston) — HOME — Baptist Home of Massachusetts, 368 Brookline St., Cambridge, had plans prepared by Kendall, Taylor & Co., 142 Berkley St., Boston, and soon take bids 3 story, irregular shaped, brick and limestone, plain foundation, Commonwealth Ave. near Lake St. $300,000.

Mass., Westfield — NURSES HOME — Noble Hospital, H. W. Ely, pres., having plans prepared by M. B. Harding, 6 Main St., 3 story and basement, brick addition, $150,000.

R. I., Warwich—SCHOOL—Town, School Comn., plans 2 story and basement, brick and stone school, Lakewood Dist. $150,000. Engineer and architect not selected.

Conn., Derby — SCHOOL — St. Joseph's Parish, A. K. Plunkett, pastor, having plans prepared by Smith, Kinne & Palmer, 256 Main St., 2 story and basement, rein.-con., brick and steel, Elm St. and Coram Ave. $250,000.

Conn., Hartford—SCHOOL—St. Augustines Church, M. P. Barry, pastor, 56 Hartford Ave., Weathersfield, plans school $200,000.

Conn., Hartford—SCHOOL—South School Dist., J. H. Naylor, doctor, plans 20 or 25 room school, Franklin Ave. $600,000.

Conn., New Britain — DORMITORY — Connecticut State Normal School, State Bd. Educ., 277 Main St., plans brick and steel dormitory. $500,000. Engineer and architect not selected.

Conn., New Haven—SCHOOL—Bd. Educ. had plans prepared by Brown & Von Beren, 185 Church St., 2 story and basement, rein.-con., brick and steel, incl. gymnasium, classrooms and kitchen, Ridge and View Sts. $150,000.

Conn., Newington — HIGH SCHOOL — Town, School Com. plans new high school. $150,000. Engineer and architect not selected.

Conn., Stamford—HIGH SCHOOL—City, F. B. Bartram, chn., having revised plans prepared by Knappe & Morris, 171 Madison Ave., New York City, high school, accommodating 1,000 more students, Strawberry Hill. $800,000. Noted Nov. 4.

N. Y., Jamestown—HIGH SCHOOL—Bd. Educ., S. Hall, pres., 138 Forest Ave., having plans prepared by Guilbert & Betelle, Chamber of Commerce Bldg., Newark, N. J., brick, steel and stone, plain foundation, Camp and Hebner Sts. $375,000.

N. Y., New York — NURSES HOME — Roosevelt Hospital, 59th St. and 9th Ave., having plans prepared by York & Sawyer, 100 East 43rd St., 4 story, brick, steel and stone, plain foundation, 9th Ave. and 59th St. $500,000.

N. Y., Rochester—HIGH SCHOOL and CONVENT—J. F. Warner, archt., Granite Bldg., takes bids in April or May, 3 story and basement, 62 x 140 ft., brick, steel and stone, plain foundation, Blossom Rd., for Sisters of Mercy.

Ga., Fort Valley—SCHOOL—Fort Valley School Dist. having plans prepared by Lockwood & Poundstone, Forsythe Bldg., Atlanta, 2 story and basement, 60 x 200 ft., brick and rein.-con. school. $180,000.

O., Lorain—CHURCH—St. Marys Roman Catholic Church, J. Johnston, pastor, East 8th St. and Reid Ave., Cleveland, having plans prepared by F. C. Warner & W. R. McCornack, Bulkley Bldg., Cleveland, 1 story and basement, brick and steel, here. $150,000.

Ind., Greencastle — DORMITORY — Depauw University, E. H. Murlin, pres., takes bids about Mar. 1, 3 story and basement, brick, steel and stone dormitory. $250,000. C. Ammerman, Continental Bank Bldg., Indianapolis, engr. Daggett & Hibben, Continental Bank Bldg., Indianapolis, archts.

Ind., Pendleton—HIGH SCHOOL—School Trustees having preliminary plans prepared rein.-con., brick and steel high school $150,000. Engineer and architect not selected.

Mich., Detroit—CHURCH—Jefferson Ave. Baptist Church, A. V. Allen, pastor, 1107 Chalmers Ave., having plans prepared by Lane, Davenport & Peterson, Charlevoix Bldg., 2 story and basement, rein.-con., brick and steel, plain foundation, Jefferson Ave. $150,000.

Mich., Fordson (mail Detroit)—MUSEUM—H. Ford, Dearborn, plans 2 story and basement, rein.-con., brick and steel, plain foundation, Ford and Division Rds. $300,000. Engineer and architect's names withheld.

Mich., Sault Ste. Marie—HIGH SCHOOL—Bd. Educ., C. G. Clark, secy., having plans prepared by J. D. Chubb, 109 North Dearborn St., Chicago, Ill., and soon takes bids Junior High School, 3 story and basement, rein.-con., brick and tile, plain foundation. $300,000.

Ill., Chicago—CHURCH and CONVENT—Our Lady of Victory Congregation, 5212 Agatite Ave., had plans prepared by E. Brielmaier & Sons Co., 425 East Water St., Milwaukee, Wis., and soon takes bids 2 story and basement, concrete, brick and stone, plain foundation, Agatite Ave. $500,000. Noted May 27.

Wis., Jefferson — SCHOOL and INFIRMARY—St. Col 'tas Institute, M. Spies, superior, having plans prepared by E. Brielmaier & Sons Co., 425 East Water St., Milwaukee, 2 story and basement, brick, tile and concrete, plain foundation, here. $200,000.

Wis., Kiel—SCHOOL—Joint School Dist. 1, C. F. Reineking, pres., having plans prepared by Smith & Brandt, Dempsey Bldg., Monitowoc, and I. O. O. F. Bldg., Appleton, 2 story and basement, 80 x 208 ft., brick and tile, plain foundation. $150,000. Noted Oct. 14.

Wis., La Crosse — SCHOOL — Catholic Parishes having plans prepared by Parkinson & Dockendorff, La Crosse, 2 story and basement, rein.-con., brick and stone, plain foundation. $175,000.

Wis., Menasha — SCHOOL — Bd. Educ. having plans prepared by C. C. Reynolds, Dempsey Bldg., Manitowoc, and 237 Northland Hotel, Green Bay, 2 story, brick, tile and concrete school. $100,000-$150,000.

Wis., Stevens Point—HOSPITAL—St. Michaels Hospital, N. Fremont St., having preliminary plans prepared by E. Brielmaier & Sons, 425 East Water St., Milwaukee, 3 story and basement, brick, tile and concrete addition, plain foundation. $200,000.

Ia., Iowa City — CHURCH — Christian Church Congregation having plans prepared by R. F. Moore, Granby Bldg., Cedar Rapids, 3 story and basement, 140 x 160 ft., rein.-con., brick and stone, plain foundation. $300,000. Noted Oct. 7.

Ia., Iowa City—NURSES HOME—State University of Iowa, W. H. Genmill, secy. State Bd. Educ., Des Moines, having tentative plans prepared by Proudfoot, Rawson & Souers, 810 Hubbell Bldg., Des Moines, nurses home addition, here. $225,000.

Minn., Collegeville—MUSIC HALL—St. Johns College having plans prepared by O'Meara & Hills, 1611 Pioneer Bldg., St. Paul, 3 story and basement, rein.-con., brick and stone auditorium, here. $300,000.

Minn., Minneapolis — SCHOOL — Bd. Educ., G. F. Womrath, bus supt., City Hall, making plans 2 story and basement, rein.-con. and brick school 32nd Ave. North between Russell and Queen Aves. $200,000. Private plans.

Mo., Joplin—SCHOOL—Bd. Educ., R. Breazeale, secy., soon takes bids South Joplin Elementary School, 2 story and basement, rein.-con. and brick. $175,000. Smith & Van Pelt, 711 Natl. Bank Bldg., archts.

Tex., Abilene — ADMINISTRATION — Abilene Christian College having plans prepared by W. Nichol & G. F. Campbell, 29-30 Radford Bldg., rein.-con., brick and stone, $150,000. Noted Dec. 2.

Tex., Beaumont—HIGH SCHOOL—C. W. Bingham, supt. Bd. Educ., soon takes bids high school, Church St. $200,000 bonds voted for same.

Tex., Beaumont—HIGH SCHOOL—Bd. Educ., c/o C. W. Bingham, secy., having preliminary plans prepared by Livesay & Wiedeman, c/o San Jacinto Life Bldg., San Antonio, 2 story, brick, tile and rein.-con. high school. $150,000. Noted Nov. 18.

Tex., Brownsville — COLLEGE — Bd. Educ., c/o F. W. Starck, secy., having preliminary sketches made by Phelps & De Wees, c/o Gunter Bldg., San Antonio, Junior College and High School, fireproof. $300,000. Noted Dec. 16.

Tex., Donna — HIGH SCHOOLS — Bd. Educ. plans Junior High and High Schools. Election soon $300,000 bonds for same.

Calif., Los Angeles—APARTMENT—A. M. Deist, 2250 South Western Ave., having plans prepared by A. R. Sedgley & W. R. Erskine, 1103 Kerckhoff Bldg., 6 story 60 x 112 ft., rein.-con., 2250 South Western Ave. $200,000.

Calif., Oakland — SCHOOLS — City of Oakland School Dist. having preliminary plans prepared by Reed & Corlett, Oakland Savings Bank Bldg., concrete school, Hopkins St. and Park Blvd., $625,000; also by Building & Grounds Dept., Bd. Educ., concrete school annex, 26th and Myrtle Sts. $240,000, and brick, steel and rein.-con. school, Foothill Blvd. and 84th Ave. $[illegible],000. Noted May 28, 1925.

Calif., Riverside — HIGH SCHOOL — Riverside Junior High School Dist., having plans prepared by Marston, Van Pelt & Maybury, Pasadena, Junior High School, rein.-con. and stucco. $325,000.

Calif., Salinas — CHURCH — Church of Sacred Heart plans probably rein.-con. church. $150,000.

Que., Quebec City—MUSEUM—Quebec Government having plans prepared by W. Lacroix, Archives-Museum Building, Abrahams Plains. $500,000.

Ont., Port Arthur — TECHNICAL SCHOOL — Bd. Educ., plans 3 story and basement, rein.-con., brick and steel, plain foundation. $250,000. Engineer and architect not selected. Noted May 20.

Bids Desired

Me., Lewiston — CHURCH — St. Marys Parish, E. Gauthier, pastor, taking bids 1 story and basement, stone and rein.-con., plain foundation. $150,000. O'Connell & Shaw, 134 Newbury St., Boston, archts. Noted Nov. 18.

Mass., Boston—CONSERVATORY—New England Conservatory of Music, Huntington Ave., taking bids 3 story and basement, brick and stone addition, plain foundation, Huntington Ave. To exceed $150,000. Haven & Hoyt, 45 Bromfield St., Boston, archts. Noted Jan. 6.

Conn., New Britain—SCHOOL—Sacred Heart Parish, L. Bojnowski, pastor, taking bids 3 story and basement, 80 x 120 ft., brick, steel and stone, Orange St. $200,000. G. P. B. Alderman & Co., 316 High St., Holyoke, Mass., archts.

N. Y., Albany—CHURCH—Jan. 21, by Maginnis & Walsh, archts., 100 Boylston St., Boston, Mass., 2 story and basement, brick, granite and stone, plain foundation, here, for St. James Church. To exceed $150,000 Noted Sept. 2.

Pa., Hughesville—HIGH SCHOOL—Jan. 31, by M. R. Rosendale & C. O. Grittner, building com. School Assn., W. L. Barto, secy., Town Hall, 2 story and basement, 100 x 140 ft., brick and steel high school $150,000. Lawrie & Green, 116 Locust St., Harrisburg, archts.

O., Sandusky—HIGH SCHOOL—Jan. 21, by Bd. Educ., 2 story and basement, 99 x 190 ft., brick, steel and concrete Junior High School. C. E. Wolfe, Commercial Bank Bldg., archt.

Mich., Monroe—HIGH SCHOOL—May 1, by Bd. Educ., 2 story and basement, rein.-con., brick and steel, plain foundation, Macomb and 5th Sts. $800,000. H. H. Turner, 923 Michigan Trust Bldg., Grand Rapids, archt. Noted Jan. 6.

Wis., West Milwaukee (Milwaukee P. O.) —HIGH SCHOOL—Jan. 19, by School Dist. 12, G. L. Niederstadt, clk., 2 story and basement, 56 x 71 ft., and 78 x 148 ft., brick, concrete and terra cotta, plain foundation, Greenfield Ave. $200,000. M. Tullgren & Sons Co., 9 Waverly Pl., Milwaukee, archts. Noted Jan. 6.

Minn., Minneapolis — SYNAGOGUE and SCHOOL — Jan. 21, by Temple Israel Congregation, c/o R. M. Hamburger, Northwestern Bank Bldg., 3 story and basement, rein.-con., brick and stone, 24th St. and Emerson Ave. S. $350,000. Liebenberg & Kaplan, 617 McKnight Bldg., archts. Noted June 24.

Tex., Amarillo—CHURCH—R. H. Hunt Co., archts., 1407 Southwest Bldg., Dallas, taking bids church, 14th and Polk Sts., for Methodist Church, L. N. Stuckey, pastor. $300,000. Noted Dec. 9.

Tex., Wichita Falls — CITY HALL and AUDITORIUM—Jan. 18 (extended date), by Bd. Educ., 2 story and basement, 221 x 224 ft., brick, steel, stone and rein.-con. city hall and auditorium. $500,000. Voelcker & Dixon, 4 Kahn Bldg., archts. Noted Jan. 6.

Calif., Claremont — DORMITORY — Scripps College for Women, taking bids 2 and 3 story, 145 x 190 ft., rein.-con. dormitory. $150,000. G. B. Kaufmann, Union Bank Bldg., archt.

Calif., Fresno—SCHOOL—Feb. 10, by L. L. Smith, secy. Bd. Educ., 2 story, rein.-con. Winchell School, for Fresno City School Dist. $150,000. Kump & Johnson, Rowell Bldg., archt. Noted Dec. 2.

Calif., Los Angeles — CHURCH — See "Contracts Awarded."

Bids Received

Mass., Boston—SCHOOL—City, Schoolhouse Dept., altering and constructing 1 and 2 story and basement, 50 x 110 ft., brick and limestone addition, plain foundation, Staniford, Norman and South Margin Sts., from J. Bowen, 184 Dudley St., Roxbury, $145,000. Noted Dec. 10.

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Buildings—Educational, Religious (Cont.)

Pa., Phila.—HIGH SCHOOL—Bd. Educ., J. D. Cassell, supt., Jan. 4, general contract 3 story and basement, 183 x 290 ft., rein.-con. and brick, 18th and Chelton Sts., from McCloskey Co., 1620 Thompson St., $998,417; heating, from S. Faith & Son, 2427 Penn. Ave., $86,897; and plumbing, from Bulman Bros., 5th and Cumberland Sts., $41,868. Noted Jan. 6.

D. C., Wash.—HIGH SCHOOL—District Comrs., District Bldg., Jan. 7, addition to Langley Junior High School, from Skinker & Garrett, 1416 F St. N. W., $369,257. Noted Dec. 30.

Mich., Royal Oak (Ind. br. Detroit)—HIGH SCHOOL—F. D. Madison, archt., 212 1st State Bank Bldg., general contract 3 story, rein.-con., brick and steel, plain foundation, incl. swimming pool, for Bd. Educ., from F. R. Patterson Constr. Co., 2631 Woodward Ave., Detroit, $638,903; also steam heating, boiler and equipment, from Drake Avery Co., 210 State St., Detroit, $110,638. Noted Dec. 23.

Contracts Awarded

N. H., Hanover—DORMITORY—Darthmouth College, 4 story and basement, 185 x 250 ft., brick and stone, plain foundation, to Hegeman-Harris Co., Inc., 16 North Harvard St., Brighton, Mass. Archts. est. $1,000,000. Noted Jan. 6.

N. H., Manchester — SCHOOL — St. Anthony's Parish, L. J. Doucet, pastor, 2 story and basement, 100 x 150 ft., brick and steel, Belmont St., to L. H. Shattuck, Inc., 208 Granite St. Archts. est. $250,000. Noted Dec. 16.

Mass., Boston—CHURCH—St. Margarets Episcopal Church, A. C. Lannard, pastor, 1 story and basement, brick and stone, plain foundation, Washington St., to W. Fillmore & Co., 25 Cherry St. Archts. est. $160,000.

Mass., Dartmouth — HIGH SCHOOL — Town, School Building Com., 2 story and basement, 60 x 185 ft., and 35 x 85 ft., brick, steel and stone, Slocum St., to Olson & Appleby, 6 South 2nd St., New Bedford. Archts. est. $150,000. Noted Dec. 30.

Mass., Hyannis — SCHOOL — Hyannis Training School, J. L. Howard, chn., altering and constructing, 2 story and basement, brick and stone, plain foundation, to H. J. Beals, Rockland. Archts. est. $150,000. Noted Dec. 2.

Mass., Worcester — DORMITORY — Polytechnic Institute, R. Earle, pres., 3 story and basement, brick and stone, plain foundation, Institute Rd., to J. W. Bishop Co., 109 Foster St. Archts. est. $300,000. Noted Jan. 6.

Conn., New London—CHURCH—Second Congregational Church, J. P. T. Armstrong, chn., 1 story and basement, brick and steel, Broad St., to H. Wales Line Co., 134 State St., Meriden. Archts. est. $200,000. Noted Dec. 16.

Conn., Torrington—CHURCH—St. Peters Parish, S. Bonforti, pastor, 2 story, 65 x 112 ft., brick, steel and stone, East Main St., to C. Longhi & Sons, 180 Hoffman St. Archts. est. $150,000. Noted Dec. 23.

Conn., Waterbury—SCHOOL—City, Dept. Educ., 2 story and basement, 40 x 65 ft., and 60 x 80 ft., brick and stone addition, plain foundation, Columbia Blvd., to J. F. Buttner, 227 Willow St., $94,350. Noted Dec. 2.

N. J., Hillside (mail Elizabeth) — CHURCH — St. Catherine Parish, Elizabeth, brick, steel and stone, plain foundation, here, to T. Reynolds, 32 Walnut St., Newark. Archts. est. $200,000.

Ky., Louisville—HIGH SCHOOL—Bd. Educ., Junior High School, 2 and 3 story, and part basement, 408 ft. long, 22nd and Main Sts., to Struck Constr. Co., 147 North Clay St., $401,700.

Ind., Indianapolis—CHURCH—Meridian Heights Presbyterian Church, 47th and Central Sts., general contract 78 x 145 ft., brick, steel and stone church, to E. A. Carson, 1854 Alabama St. Archts. est. $150,000. Noted July 3.

Mich., Grosse Pointe (br. Detroit) — HIGH SCHOOL—C. A. Parcells, secy. Bd. Educ. Dist. 1, 2 story and basement, rein.-con., brick and steel, plain foundation, Grosse Pointe Blvd., to Malow-Barry Co., 2631 Woodward Ave., Detroit, $1,189,000; steam heating boiler and equipment, to W. J. Rewoldt, 524 State St., Detroit. Noted Nov. 25.

Minn., Minneapolis—PHYSICS LABORATORY — State Comrs. Administration & Finance, 18 State Capitol, St. Paul, general contract 4 story and basement, rein.-con., brick and stone, at State University, here, to Madsen Constr. Co., 618 National Bldg., $318,340. Noted Dec. 16.

Calif., Beverly Hills — SCHOOL — Los Angeles Bd. Educ., 2 story, 65 x 200 ft. class room building, 80 x 150 ft. auditorium 1,500 seating capacity, 1 story, 40 x 150 ft., domestic science building, 1 story, 60 x 161 ft. shop, two 80 x 80 ft. gymnasiums, all brick, here, to H. W. Schlueter, Black Bldg., Los Angeles, $297,750. Noted Jan. 6.

Calif., Los Angeles — CHURCH — First Unitarian Church, Vermont and Westmoreland Aves., will build 3 story, 115 x 150 ft., rein.-con. church, 8th St. between Vermont and Westmoreland Aves., by day labor, under supervision of A. Cairns, 2936 West 8th St. $200,000.

Federal Government Work

Proposed Work

Me., Fort Fairfield—Post Office—Treas. Dept. at office Supervising Archt., Wash. D. C. rejected bids Dec. 8, constructing U. S. Post Office, here. Noted Dec. 16.

Bids Desired

N. Y., Syracuse—Post Office and Court House — Feb. 14, at Office Supervising Archt., Wash., D. C., constructing U. S. Post Office and Courthouse, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Jan. 13. Noted Dec. 30.

Calif., San Francisco—Pump—Feb. 3, by U. S. Engineer Office, 2nd Dist., 85 2nd St., 20 in. booster pump. Noted Dec. 30.

Bids Received

Wis., Madison—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., Jan. 7, 3 story, U. S. Post Office and Courthouse, stone, here, from Murch Bros. Constr. Co., Ry. Exch. Bldg., St. Louis, Mo., $526,000. Noted Dec. 16.

Contracts Awarded

Ill., Evanston — Remodeling — Treas. Dept., at office Supervising Archt., Wash. D. C., remodeling U. S. Post Office, here, to O. E. Desmond & Son, 543 South Clark St., Chicago, $6,017. Noted Nov. 11.

Tex., Point Isabel—Rip Rap, etc.—U. S. Engineer Office, Trust Bldg., Galveston, 19,000 tons rip rap and block stone for jetties at Brazos Pass, near here, to Dittlinger Lime Co., New Braunfels, $70,600. Noted Dec. 9.

California—Road—C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., 461 Market St., San Francisco, improving Valley Rd. Yosemite Natl. Park, Mariposa Co., grading, to Allied Contractors, Inc., 1803 Douglas St., Omaha, Neb., $39,145 (120 days); and asphaltic macadam paving, to W. Moreing, Stockton, $274,115 (200 days). Noted Jan. 6.

Unclassified

Proposed Work

Terminal—Che'sea (br. Boston), **Mass.**—Tide Water Sales Corp., 31 St. James Ave., Boston, plans terminal. Engineer not selected.

Golf Course—Readville (Ind. sta. Boston), **Mass.** — Commonwealth of Massachusetts, Metropolitan Dist. Comn., Boston, plans public golf course, Neponset River Reservation, here. $75,000. Engineer not selected.

Bowling Alley — Webster, Mass. — See "Buildings—Commercial."

Bowling Alleys — Derby, Conn. — See "Buildings—Educational, Religious."

Boardwalk—Wildwood, N. J.—City Comn. plans new boardwalk along ocean. $200,000. H. Weir, Wildwood, engr.

Swimming Pool — Baltimore, Md. — See "Buildings—Commercial."

Telephone Lines, Cables ,etc.—Tennessee—Southern Bell Telephone & Telegraph Co., Nashville, J. H. Baker, Telephone Bldg., dist. mgr., plans expending during 1927, $5,000,000, improvements and extensions, incl. new lines, cables, conduits, switchboards, exchanges, etc., in various parts of state.

Pavilions and Comfort Stations — Indianapolis, Ind. — Bd. Park Comrs., City Hall, had plans prepared by V. H. Winterround, 146 North Delaware St., 7 brick and stucco pavilions and comfort stations in various parks. $150,000.

Police Alarm System—Cudahy, Wis.—C. Wolbert, city clk., making plans police alarm system. $15,000. Steinhagen & Steinhagen, 2725 State St., Milwaukee, engrs.

Golf Course—Ojibwa, Wis.—See "Buildings—Commercial."

Grain Terminal—St. Paul, Minn.—City, c/o J. H. McDonald, comr. Pub. Wks., making plans rein.-con. grain terminal, incl. bulk and sacked grain loading equipment; also cradle and wharf barge, trackage, etc., on river levee near Chestnut St. $150,000. G. M. Shepard, city engr.

Telephone System—Missouri—Southwestern Bell Telephone Co., 10th and Pine Sts., St. Louis, plans expending $10,000,000, improving and extending telephone system, incl. 1,198 mi. long distance lines, also 224,124 mi. wire for aerial and underground cables, aerial construction $2,304,000, underground conduits and cables $1,860,000, also purchasing land and constructing buildings, etc., in St. Louis $5,876,000.

Cemetery—Joplin, Mo.—Memorial Burial Park Assn., 1909 Kentucky St., F. H. Gager, supt., plans developing 40 acres, for cemetery, incl. greenhouses, streets, etc. $350,000. Private plans.

Transmission Line—Texas—Texas Utilities Co., 408 Pine St., St. Louis, Mo., making plans 30 mi. transmission line from Floydada to Crosbyton, here. $50,000. Private plans.

Land Development—Corpus Christi, Tex. — Hombe Financing Co. making preliminary plans sub-division improvement 53 acre plot, incl. water distributing system $15,000, sewers $20,000, and paving $25,000. Private plans.

Grain Elevator — Houston, Tex. — See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Wharf—Houston, Tex.—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Pier and Breakwater—Houston, Tex.—Houston Launch Club, Post Dispatch Bldg., making plans pier and breakwater, incl. pavilion, mooring slips for yachts, etc., at Shoreacres. $25,000. Eng. Serv. Corp., Post Dispatch Bldg., engrs.

Cable—San Antonio, Tex.—Southwestern Bell Telephone Co., 215 East Travis St., making surveys new cables to Harlandale, $28,000; to Berkshire addition, $15,000; and one to Prospect Hill Dist., $60,000. Private plans.

Cement Works Plant—San Antonio, Tex.—Gonzales Cement Wks., Inc., c/o C. A. Neuman, Gonzales, pres., plans 1 story, 60 x 190 ft., galvanized iron, plant, here. $50,000. Private plans.

Land Development—San Antonio, Tex.—E. Meredith, c/o Prairie Lew Production Co., Luling, making plans 285 acre development, incl. streets, $35,000, water distributing system $30,000, on Blanco Rd. outside city limits. Private plans.

Grain Storage Tanks—San Antonio, Tex.—Pioneer Flour Mills, c/o A. Storms, 129 East Guenther St., having plans prepared eight 7½ square concrete grain storage tanks, 50 ft. high. $50,000. W. E. Simpson, c/o Natl. Bank of Commerce, engr.

Land Development—San Benito, Tex.—Gillock Development Co., c/o Chamber of Commerce, Chicago, Ill., and San Benito, c/o Lashby & Crawford, agts., making plans, etc., developing 11,000 acre site below Olmito, and developing town site of Barreda, near here, incl. waterworks $35,000, sewers $25,000, streets $40,000, lights $15,000, and system canals ,etc., $200,000. No date set for taking bids. Interested contractors address owners or agents at once. Noted Sept. 9.

Transmission Line — Oklahoma — Southwestern Light & Power Co., Braniff Bldg., Oklahoma City, made preliminary plans 11 mi. 23,000 volt transmission line to Granite and distribution system in Granite. $40,000. E. R. Ernsberger, Braniff Bldg., Oklahoma City, engr.

Power Project — Sayre, Okla. — See "Dams."

Lighting System—Burbank, Calif.—See "Streets and Roads."

Tennis Courts, Playgrounds, etc. — Guerneville, Calif.—See "Buildings—Commercial."

Lighting System—Los Angeles, Calif.—Plans ornamental lighting system on portions Mount Royal Dr., Eagle Dale Ave., 3rd St.

Pier and Booms—Grande Piles, Que.—The St. Maurice River Boom and Driving Co., Ltd., Three Rivers, plans constructing pier and booms on St. Maurice River, here, $300,000.

Grain Elevator—Fort William, Ont.—Bawlf Terminal Elevator Co., H. O.-490 Grain Exch., Winnipeg, Man., having plans prepared by C. D. Howe & Co., Port Arthur, grain elevator addition, rein.-con. and mass concrete on pile foundation, incl. circular bins and sliding formwork, elevating and conveying equipment, here. $600,000.

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Unclassified (Continued)

Grain Elevator—Fort William, Ont.—F. N. M. Patterson & Co., Ltd. plans rebuilding and extending grain elevator, concrete, recently destroyed by fire. $700,000. Engineer not selected. Noted Dec. 30.

Switchboard—Hamilton, Ont.—City plans switchboard for Central Fire Hall. $25,000. W. L. McFaul, City Hall, engr.

Subway — Mount Dennis, Ont. — York Twp., Toronto, made plans 42 ft. subway under Canadian Pacific & Canadian Natl. R.R. tracks, on Ray Ave., here. $70,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Golf Course—Point Grey, B. C.—Election Jan. 15, $300,000 bonds, 27 hole golf course, incl. land. W. B. Greig, 5851 West Blvd., engr.

Bids Desired

Power Development—West Enfield, Me.—See "Contracts Awarded."

Barn—Buffalo, N. Y.—Jan. 18, by Dept. Parks & Pub. Buildings, City and County Hall, 2 story, fireproof barn, Cassey St. near Williams St., for Bureau Streets, Dept. Pub. Wks.

Metal Work, etc.—Phila., Pa.—Jan. 17, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., metal work for bridge superstructure, Contr. 9-1927, switches, crossings and crossovers, Contr. 10; and guard rail clamps, Contr. 11. A. C. Shand, Broad St. Sta., ch. engr. railroad.

Plumbing and Fire Protection System—Phila., Pa.—Jan. 20, by Dept. City Transit, H. E. Ehlers, dir., plumbing and fire protection systems shop buildings, Fern Rock Yard, Broad St. Subway.

River Terminal—Dubuque, Ia.—Feb. 7, by Dock Comn., 214 x 45 ft. steel wharf for river terminal. $65,000. W. F. Schultz, 870 Shrine Bldg., Memphis, Tenn., engr. Noted Dec. 9.

Culverts, etc.—Iowa City, Ia.—Jan. 25, at office Auditor Johnson Co., 48 box culverts and one 60 x 20 ft. pony truss bridge. G. M. Griffith, Iowa City, co. engr.

Lighting System—Minneapolis, Minn.—Feb. 1, by F. S. Gram, city purch. agt., furnishing and installing 743 various length electric light standards, for Bd. Park Comrs. A. E. Berthe, c/o owner, engr.

Steel Wharf Barge—Minneapolis, Minn.—Jan. 25, by F. S. Gram, city purch. agt., covering building and delivering steel wharf barge. W. F. Schulz, 870 Shrine Bldg., Memphis, Tenn., engr.; adv. E. N.-R. Jan. 13.

Transmission Line — Nebraska — See "Contracts Awarded."

Bulkhead—San Diego, Calif.—Jan. 24, by A. H. Wright, city clk., constructing 2 sections, approximately 8,700 ft. concrete bulkhead, invol. continuous wall of concrete sheet piles, rein.-con. tie-beams, rein.-con. parapet beam, parapet wall, supporting wall, rein.-con. sidewalk, lamp post pilasters, etc., at Mission Beach. F. A. Rhodes, city engr.

Piers—San Francisco, Calif.—Jan. 20, by Bd. Harbor Comrs., rein.-con. sub-structure for 125 ft. extensions to Piers 32 and 30, concrete piling, etc. $150,000. F. G. White, Ferry Bldg., engr.

Heating, Ventilating, etc. — San Jose, Calif.—San Jose Medico-Dental Building, Inc., taking separate bids heating, ventilating, roofing, electrical work, painting, lath and plastering, sheet metal and ornamental iron work, etc., for 11 story, 40 x 110 ft. office building, 6th and Santa Clara Sts.

Telephone Lines—Colombia, S. A.—J. J. Garcia, minister of Mails & Telegraph, taking bids long distant telephone lines connecting Bogota, Medellin, Manalzes, Cali, Tinjaand, Bucaramangaall, Cartagena and, Baranquilla, and Buenventura.

Bids Received

Asphalt Plant—Phila., Pa.—Dept. Pub. Wks., Bureau of Highways, City Hall, Jan. 7, 300 ton asphalt plant, 21st St. and Grays Ferry Rd., from Charleroi Iron Wks., Charleroi, $54,800. Noted Jan. 6.

Swimming Pool—Royal Oak (Ind. br. Detroit), **Mich.**—See "Buildings—Educationa', Religious."

Gas Line—Corpus Christi, Tex.—For 10,-600 ft. 6 in. and 7,800 ft. 4 in. c.i. gas mains from San Antonio Machine & Supply Co., 325 North Centre St., San Antonio, and U. S. Cast Iron Pipe Co., Corpus Christi. Noted Dec. 30.

Contracts Awarded

Power Development—West Enfield, Me.—Bangor Hydro Electric Co., E. M. Graham, 194 French St., will build power development, by day labor. To exceed $25,-000. Private plans. Noted Dec. 30.

Constr. News page 32

Repairing Pier—New York, N. Y.—M. Cosgrove, comr. Docks, Pier "A," foot Battery Pl., overflooring and painting Pier 30, East River, to L. Kaplowitz, 1686 Grand Ave., $10,977 and $3,263 respectively; sheet metal work, to Victory Roofing & Sheet Co., 3444 3rd Ave., $13,080; plumbing, to N. P. Lorenzo, 430 Pearl St., $5,939; cement and plaster work, to English Eng. Co., 15 West 91st St., $2,900; special iron work, to Particular Iron Wks., 538 Canal St., $9,693; and electrical work, to Web Electric Co., 482 Bway., $853. Grand total $46,70-. Noted Jan. 6.

Engine, etc.—Franklin, La.—City, 400 or 600 hp. Diesel oil engine to Busch-Sulzer Bros. Diesel Engine Co., 3300 South 2nd St., St. Louis, Mo., $27,025; generator, switchboard, etc., to General Electric Co., River Rd., Schenectady, N. Y., $7,048; and foundations, to C. J. Montgomery, Kaplan, $1,750. Grand total $35,823. Noted Dec. 2.

Lighting System—Metropolis, Ill.—City, "White Way" lighting system on Ferry, 3rd, 5th and 10th Sts., consisting 106 units, with complete concrete posts, lamps, lanterns, etc., to Mound City Electric Eng. Co., Buder Bldg., St. Louis, Mo.

Foundation—Madison, Wis. — University of Wisconsin, J. D. Phillips, bus. mgr., foundation and excavation for 5 story and basement, 109 x 109 ft., brick, rein.-con., and steel Medical School, to J. Finley, Janesville, $25,000. Noted Dec. 16 under, "Buildings—Educational, Religious."

Transmission Line—Nebraska—Nebraska Power Co., 17th and Harney Sts., Omaha, will construct approximately 20 mi. 66,000 volt transmission line between Omaha and Plattsmouth, by day labor. F. E. Smith, c/o owner, ch. engr.

Wharf—Houston, Tex.—Houston Compress Co., Exch. Bldg., constructing 80 ft. wharf extension, to Tellapton Constr. Co., 4100 Clay Ave., $23,545. Engrs. est. $25,-000. Noted Jan. 6.

Terminal—San Francisco, Calif.—State Harbor Comrs., Ferry Bldg., constructing Hyde St. ferry terminal, to Schuler & McDonald, 1723 Webster St., Oakland, $96,700.

Gunite Concrete Lining—Ventura, Calif.—Supervs. Ventura Co., approximately 30,-000 sq.ft. 2 in. Gunite concrete lining for 2,000 ft. ditch, to Southern California Gunite Co., Santa Paula, at $0.12 per sq. ft. Noted Nov. 25.

Telephone Extensions — London, Ont.—Bell Telephone Co. will extend 1,600 mi. additional circuits and various line improvements, by day labor, under direction F. S. Routley, divisional mgr. $2,000,000.

Steam Heating—Windsor, Ont.—Essex Border Utilities Comn., Murray Bldg., heating, ventilating, and plumbing for 3 story and basement, rein.-con., brick and steel hospital, plain foundation, to Drake, Avery & Co., Ltd., 250 Randolph St., Sandwich. $98,775. Noted Jan. 6 under "Buildings—Commercial."

Bull Ring, etc.—Nueve Lardo, Mexico—Laredo Downs, Inc., c/o J. W. Choate, R. E. Lee Hotel, Laredo, Tex., rein.-con. and steel bull ring, grand stands, race tracks, rein.-con. and tile swimming pool, golf course, etc., here, to Kelwood Co., Travis Bldg., San Antonio, Tex. Engrs. est. $175,-000. Noted Jan. 6.

Materials

Proposed Work

Cement, Sewer Pipe, Crushed Stone, etc.—Hamilton, Ont.—City Council soon takes bids cement, sewer pipe, asphalt, crushed stone, castings, etc., for civic work. $250,-000. W. McFaul, City Hall, engr.

Bids Desired

Panel Board and Cables — Hartford, Conn.—Arrow Electric Co., 103 Hawthorne St., in the market installation panel board and cables to transfer power throughout building, also 300 kva. synchronous motor. $5,000. Myleschreest & Reynolds, 238 Palm St., engrs.

Limestone Dust, etc.—Newark, N. J.—Jan. 14, by Dept. Pub. Affairs, City Hall, asphalt sand, limestone dust, lead lined iron pipe and fittings, etc. T. L. Raymond, dir.

Crushed Pebbles, etc.—Phila., Pa.—Jan. 18, by Dept. Supplies, 312 City Hall, crushed pebbles, stone, asphalt sand, limestone dust filler, asphaltic cement, Class 121; also rubber covered copper wire, etc., Class 124. E. J. Lafferty, dir.

See proposal advertising on page 141

Fencing and Posts, etc. — Phila., Pa.—Jan. 19, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., woven wire fencing, posts, wire nails, etc., Contr. 15-1927; car, driving, trailer, engine truck axles, and piston heads, Contr. 4-1927; tracing and steel pipe, Contr. 5-1927. A. C. Shand, Broad St. Sta., ch. engr. railroad.

Guard Rails, etc.—Phila., Pa.—Jan. 20, by C. E. Walsh, purch. agt., Pennsylvania R.R. Co., 17th and Filbert Sts., guard rails, Contr. 12-1927; also frogs, switches and switch points, etc., Contr. 13-1927. A. C. Shand, Broad St. Sta., ch. engr. railroad.

Steel Wheels—Phila., Pa.—Jan. 21, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 17th and Filbert Sts., 1¾ in. rim wrought steel wheels, Contr. 14-1927. A. C. Shand, Broad St. Sta., ch. engr. railroad.

Clay Conduit—Baltimore, Md.—Jan. 19, by Bd. Awards, furnishing 500,000 ft. vitrified clay conduit, C. F. Goob, Guilford Ave. and Lexington St., engr.

Lumber, etc.—Carroll, Ia.—Jan. 17, by Auditor Carroll Co., furnishing 230,000 ft. lumber and 1 car load creosoted piling. J. F. Maher, Carroll, co. engr.

Lumber, etc.—Clinton, Ia.—Jan. 24, at office Auditor Clinton Co., furnishing 4 cars bridge lumber. E. B. Lorenzen, Clinton, co. engr.

Lumber, etc.—Glenwood, Ia.—Jan. 21, at office Auditor Mills Co., furnishing 6 cars standard sawed gun lumber and quantity corrugated culvert pipe. T. E. Martin, Glenwood, co. engr.

Lumber, etc.—Iowa City, Ia.—Jan. 25, at office Auditor Johnson Co., 190,067 ft. bridge lumber, 1,480 ft. cedar piling, 1,000 ft. 6½- to 8-in. oak posts.

Lumber, etc.—Orange City, Ia.—Jan. 18, at office Auditor Sioux Co., 269,000 ft. full sawed fir lumber, and 2,300 ft. corrugated culvert pipe. J. W. Wiersma, Orange City, co. engr.

Electric Cable—Minneapolis, Minn.—Jan. 18, by F. S. Gram, city purch. agt., 62,500 lin.ft. electric cable for Fire Dept. Signal Serv. N. W. Elsberg, city engr.

Galvanized Iron, Lumber, etc.—Turkey, Tex.—Childress Compress Co., c/o G. H. Trueblood, P. O. Box 456, Childress, taking bids galvanized iron, 1 standard compress machine, and 350,000 ft. No. 2 lumber, for proposed compress plant. $40,000 or more. Private plans.

Bids Received

Inorganic Dust, etc.—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., Jan. 10, 4,000 tons inorganic dust, and 8,000 cu.yd. 3¾ in. binder stone, from New York Trap Rock Co., 250 Park Ave., $26,000 and $15,520 respectively; 4,000 cu. yd. coarse aggregate and 20,000 cu.yd. asphalt sand from Colgan Contg. Co., 26 Court St., Brooklyn, $6,390 and $4,245 respectively; 3,500 cu.yd. sand grit and 3,000 cu.yd. concrete paving sand, from Ames & Carroll, Inc., 3441 Kingsbridge Rd., $4,970 and $19,800 respectively; 600 tons asphaltic joint filler, from Standard Oil Co. of New York, 362 7th Ave., $13,884; 700,000 gal. asphaltic cement, from Warner Quinlan Co., 26 Beaver St., $50,190; 60,000 gal. gasoline from Utility Oil Corp., 175 Hunts Point Ave., Long Island City, $8,400; and 50,000 special granite paving blocks, from John Meehan & Sons, Inc., 90 West St., $6,675. Noted Jan. 6.

Liquid Chlorine—Milwaukee, Wis.—Central Bd. Purchases, J. W. Nicholson, ch. buyer, Dec. 29, 50,000 lb. liquid chlorine, from Arnold Hoffman & Co., 350 Madison Ave., New York City, N. Y., at $0.092 per lb. Noted Dec. 23.

Contracts Awarded

Steel Castings, etc. — Boston, Mass. — Transit Dept., 1 Beacon St., 190 tons structural steel, to Bethlehem Steel Co., 140 Milk St., $9,536; 545,000 lb. malleable iron castings, to Albany Malleable Iron Co., Voorheesville, N. Y., $33,225; 16,000 track bolts, etc., to Lorraine Steel Co., Jamestown, Pa., $12,803; also 78,000 rail clips and 157,200 lb. screws and spikes, to Storms Drop Forgings Co., Springfield, $18,-341. Grand total $73,905. Noted Dec. 16.

Water Pipe, etc.—Two Rivers, Wis.—R. Biehl, city mgr., 112 tons 3 in., 135 tons 6 in. and 3 tons 4 in. c.i. water pipe and 8 tons specials, to McWane Cast Iron Pipe Co., 208 South La Salle St., Chicago, Ill.; 10,000 bbl. portland cement, to W. C. Boehringer, Two Rivers, at $2.60 per bbl.; and 20 cars 6- to 12-in. standard vitr., also 15- to 24-in. double strength sewer pipe, to W. S. Dickey Clay Mfg. Co., 111 West Washington St., Chicago, Ill. Noted Dec. 23 under "Waterworks."

Engineering News-Record Unit Prices

SUBWAY—NEW YORK, N. Y.

Bids were opened by Board of Transportation, 49 Lafayette St., Dec. 3, for constructing Route No. 1, Sects. 3 and 4, from (A) Rosoff Subway Construction Co., Inc., 461 8th Ave. (awarded contract); (B) G. H. Flinn Corp., 461 8th Ave.; (C) Mason & Hanger Co., Inc., 17 West 60th St.; (D) Patrick McGovern, Inc., 50 East 42nd St.; (E) Atwell, Gustin, Morris, Inc., 137th St. & St. Nicholas Ave.; (F) Rodgers & Hagerty, Inc., 70 East 45th St. The unit bids are as follows:

	A	B	C	D	E	F
433,500 cu.yd. earth excavation above El. 100	$6 70	$8 50	$6 00	$9 60	$7 90	$9 10
Additional decking (lump sum)	65,000 00		477,750 00	32,000 00	800,000 00	
363,600 cu.yd. earth excavation below El. 100	6 70	8 50	6 76	9 60	7 90	9 10
5,400 cu.yd. earth excavation for sewers, pipes and ducts	6 70	8 50	6 76	9 60	7 90	9 10
7,100 cu.yd rock excavation	15 20	10 00	6 76	9 60	7 90	18 00
108,900 cu.yd. concrete masonry	20 00	20 00	18 50	22 00	21 00	22 00
330,100 sq.ft. rubbing concrete to smooth finish	11	15	15	10	12	15
23,150 cu.yd. protective concrete	20 00	20 00	18 50	22 00	21 00	22 00
95 cu.yd rubble stone masonry	12 00	15 00	12 00	14 00	15 00	22 00
75 cu.yd. brick masonry	45 00	50 00	45 00	50 00	50 00	65 00
550 cu.yd. removal old masonry	30 00	40 00	45 00	25 00	50 00	50 00
45 sq.yd. vitrified brick lining	7 00	5 00	7 00	7 00	10 00	6 00
115 cu.yd. hollow tile masonry	45 00	50 00	45 00	50 00	50 00	50 00
50 sq.yd. resurfacing old concrete masonry	2 50	4 00	4 00	2 00	4 00	4 00
460 sq.yd. plastering at duct manholes	2 00	4 00	2 50	2 00	4 00	2 00
131,700 sq.yd. waterproofing 1 ply	90	1 25	1 20	1 25	1 50	1 30
54,600 sq.yd. 3 ply	2 50	3 00	2 70	3 00	2 50	3 50
2,145 sq.yd. 6 ply	5 00	6 00	5 00	6 00	6 00	7 00
210 sq.yd. dry ply	80	1 00	1 00	1 00	1 00	1 30
22,300 lb. sheet lead for water stops	25	80	1 25	80	30	30
5,900 cu.yd. waterproofing, brick in mastic 1 layer	44 00	50 00	50 00	60 00	45 00	60 00
9,200 cu.yd. 2 layer	40 00	50 00	50 00	45 00	45 00	60 00
1,240 lin.ft. c.i. pipe 3 in.	1 50	1 90	2 50	1 50	1 50	1 00
1,840 lin.ft. 4 in.	2 00	2 80	4 00	2 00	2 00	1 25
1,030 lin.ft. 6 in.	3 00	3 00	5 00	2 50	3 00	2 50
4,750 lin.ft. 8 in.	4 00	5 00	6 00	3 00	4 00	4 00
230 lin.ft. 10 in.	6 00	8 00	10 00	5 00	5 00	5 00
720 lin.ft. galvanized steel pipe 3 in.	2 50	1 50	1 60	1 25	2 00	1 25
630 lin.ft. 4 in.	3 00	1 75	1 90	1 50	3 00	1 50
30 lin.ft. 6 in.	4 00	3 50	4 00	2 50	4 00	4 00
300 lin.ft. 8 in.	5 00	5 50	5 00	3 00	5 00	4 00
100 lin.ft. 10 in.	10 00	8 00	7 00	7 00	6 00	6 00
409,600 duct.ft. tunnel ducts	25	30	26	30	30	30
75,000 duct.ft. railroad ducts	40	30	26	30	50	45
1,050 cond.ft. fibre conduits 3 in.	45	30	65	30	50	30
23,150 ton riveted steel standard shapes	120 00		119 51	127 60	120 50	120 00
21,100 ton riveted steel Bethlehem shapes		110 00	131 19	140 00		131 66
110 ton removing old steel	60 00	50 00	50 00	30 00	100 00	40 00
1,870 sq.in. cr.sc. cutting old steel, remodeling	1 30	3 00	1 10	25	1 50	50
2,450 drilling holes	2 00	50	4 40	25	2 50	1 70
3,800 removing rivets	1 00	50	1 10	25	1 25	65
16 ton architectural steel	400 00	400 00	400 00	500 00	600 00	400 00
1,405 sq.ft. steel sliding doors	6 00	6 00	6 00	6 00	6 00	6 00
6 emergency exit covers	450 00	500 00	600 00	600 00	600 00	500 00
530 ton steel rods and bars	110 00	120 00	115 00	100 00	115 00	110 00
45 ton miscellaneous iron castings	220 00	250 00	200 00	200 00	250 00	200 00
13,800 lb. special wire forms	25	50	25	50	25	20
500 lin.ft. railing 1½ in. G.I. pipe	3 00	1 50	60	2 50	60	3 00
13,900 lin.ft. railing 1½ in. oak or ash	50	50	50	45	60	50
15,900 sq.ft. steel grating	3 25	4 00	4 00	3 50	3 00	4 00
7,800 sq.yd. street surface restored within curb line	3 00	5 00	3 50	3 00	3 00	5 00
600 sq.yd. asphalt pavement	6 00	7 00	6 50	6 00	6 00	5 00
8,800 sq.yd. granite block pavement	6 00	7 00	6 00	8 00	5 50	5 50
50 sq.yd. belgian block pavement	4 00	7 00	6 00	6 00	4 00	5 00
200 lin.ft. 6 in. B.S. curb pavement	4 00	3 00	2 25	3 00	3 00	2 50
3,200 sq.yd. wood block pavement	4 00	7 00	6 00	6 00	6 50	6 00
2,700 lin.ft. 8 in. granite block	7 00	6 50	5 60	4 00	5 00	4 00
710 sq.yd. finish of concrete walls	2 50	3 00	2 00	4 00	4 00	3 00
14,000 sq.yd. temporary pavement granite blocks	2 00	3 00	3 00	3 00	3 50	3 00
12,500 lin.ft. steel electric conduits ¾ in.	40	40	40	25	50	40
130 lin.ft. 1¼ in.	60	1 00	70	50	70	80
500 lin.ft. 2 in.	1 00	1 50	80	60	1 00	85
25,400 lin.ft. 1 in.	50	1 00	50	35	60	50
60 lin.ft. 3½ in.	2 00	3 00	1 50	1 00	4 00	1 20
35 lin.ft. 2½ in.	1 50	2 00	1 50	75	1 50	1 00
2,850 c.i. outlet boxes 4x4x3 in.	2 00	2 00	2 00	1 00	3 00	2 50
30 c.i. pull boxes 6x6x4 in.	8 00	4 00	7 50	2 00	6 00	6 00
7 6x12x3 in.	10 00	20 00	10 00	5 00	10 00	8 00
10 8x8x6 in.	12 00	8 00	10 00	4 00	15 00	10 00
10 12x12x6 in.	15 00	30 00	12 00	7 00	50 00	15 00
290 lin.ft. c.i. pipe 6 in.	3 00	6 00	4 50	2 00	5 00	3 00
400 lin.ft. 3 in.	2 00	2 50	2 50	1 00	3 00	1 50
70 lin.ft. 4 in.	2 50	3 50	3 10	1 50	4 00	2 00
800 lin.ft. 8 in.	4 50	7 50	6 00	3 00	6 00	4 00
2,700 lin.ft. vitrified 12 in. pipe	7 50	5 00	7 50	8 00	7 00	6 50
2,500 lin.ft. vitrified 15 in. pipe	9 00	8 00	9 00	10 00	8 00	7 00
1,350 lin.ft. vitrified 18 in. pipe	10 50	12 00	10 60	12 00	9 00	8 00
400 lin.ft. vitrified 20 in. pipe	12 00	15 00	11 40	13 00	10 00	10 00
510 lin.ft. vitrified 24 in. pipe	15 00	20 00	12 80	14 00	11 00	14 00
95 ton c.i. sewer pipe (straight pipe)	140 00	125 00	125 00	200 00	200 00	120 00
25 ton c.i. sewer pipe (special)	200 00	250 00	250 00	250 00	300 00	250 00
2,300 lin.ft. reinforced concrete sewer 3 ft. 6 in.x2 ft. 4 in.	18 00	22 00	22 00	14 00	20 00	20 00
180 lin.ft. 4 ft.x2 ft. 6 in.	21 00	25 00	25 00	16 00	23 00	22 00
850 lin.ft. 4 ft. 9 in.x4 ft. 3 in.	27 00	34 00	30 00	18 00	29 00	30 00
150 lin.ft. 4 ft.x3 ft. 8 in.	23 00	30 00	26 50	17 00	25 00	25 00
200 lin.ft. 4 ft.x3 ft. 8 in.	23 00	50 00	26 50	17 00	25 00	25 00
100 lin.ft. 5 ft.x4 ft. 6 in.	27 00	50 00	30 00	25 00	30 00	35 00
20 lin.ft. 3 ft. 6 in.x4 ft.	26 00	34 00	45 00	20 00	27 00	34 00
200 lin.ft. 3 ft.x7 ft. 6 in.	40 00	65 00	47 00	90 00	40 00	131 00
170 lin.ft. 5 ft. 6 in.x16 ft.	95 00	100 00	110 00	120 00	100 00	102 00
*500 lin.ft. 5 ft. 3 in.x4 ft. 9 in.	30 00	50 00	30 00	30 00	32 00	35 00
*140 lin.ft. 8 ft. 4 in.x9 ft.	65 00	75 00	55 00	80 00	53 00	59 00
**500 lin.ft. 5 ft. 9 in.x5 ft. 2 in.	47 00	60 00	35 00	36 00	34 00	36 00
*120 lin.ft. 8 ft. 8 in.x9 ft. 6 in.	65 00	80 00	60 00	80 00	56 00	65 00
**120 lin.ft. 8 ft. 10 in.x9 ft. 9 in.	67 00	100 00	25 00	80 00	57 00	66 00
**450 lin.ft. duplex sewer type "A"	75 00	100 00	80 00	100 00	66 00	84 00
**200 lin.ft. duplex sewer type "F"	40 00	110 00	60 00	60 00	30 00	50 00
Sewage pumping station at Canal and Thompson Sts. (lump sum)	20,000 00	25,000 00	50,000 00	20,000 00	25,000 00	
750 lin.ft. street surface R.R., electric underground trolley	20 00	25 00	16 00	10 00	20 00	25 00
Support of 7th Ave. and Lex. Av. R. T. R.R. at Park Place	160,000 00	50,000 00	400,000 00	16,000 00	75,000 00	25,000 00
23 elevated columns partly on structure (lump sum)	4,000 00	3,000 00	7,000 00	5,000 00	5,000 00	5,000 00
3 entirely off structure	4,000 00	3,000 00	7,000 00	5,000 00	5,000 00	5,000 00
2 entirely on structure	2,500 00	3,000 00	7,000 00	5,000 00	5,000 00	3,000 00
310 lin.ft. water pipe 6 in.	3 00	4 00	2 50	2 00	1 00	2 00
1,130 lin.ft. water pipe 12 in.	4 00	7 50	3 75	4 00	2 00	3 00
1,209 lin.ft. water pipe 20 in.	5 00	11 00	8 00	6 00	5 00	7 50

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60 connections of water pipe	50.00	60.00	30.00	75.00	50.00	50.00
300 lin.ft. gas pipe 4 in.	1.00	2.50	1.50	2.00	1.00	2.00
975 lin.ft. gas pipe 6 in.	3.00	4.00	2.25	2.50	1.25	2.00
105 lin.ft. gas pipe 8 in.	3.50	5.00	3.00	3.00	1.50	2.50
130 lin.ft. gas pipe 12 in.	4.00	7.00	4.00	3.50	1.75	3.00
50 lin.ft. gas pipe 16 in.	4.50	8.00	6.00	4.00	3.00	6.00
100 lin.ft. gas pipe 20 in.	5.00	10.00	8.00	5.00	4.00	7.50
7,400 lin.ft. steel by-passing pipe 6 in. (below or upon street)	6.50	12.00	12.00	5.00	10.00	6.00
1,250 lin.ft. 8 in. (below or upon street)	9.00	15.00	16.00	5.50	12.00	8.00
1,100 lin.ft. 10 in. (below or upon street)	12.00	18.00	21.00	6.00	20.00	10.00
2,600 lin.ft. 12 in. (below or upon street)	$14.00	$20.00	$24.00	$6.50	$22.00	$12.00
450 lin.ft. 16 in. (below or upon street)	17.00	25.00	28.00	9.00	30.00	16.00
560 lin.ft. 20 in. (below or upon street)	20.00	35.00	35.00	10.00	35.00	20.00
450 lin.ft. 24 in. (below or upon street)	24.00	50.00	48.00	12.00	40.00	24.00
200 lin.ft. 4 in. (below or upon street)	5.00	10.00	10.00	20.00	8.00	6.00
200 lin.ft. 12 in. (above street)	14.00	30.00	24.00	10.00	22.00	24.00
200 lin.ft. 20 in. (above street)	18.00	50.00	35.00	17.00	35.00	40.00
250 lin.ft. cable suspension of pipes over 16 in.	15.00	25.00	25.00	10.00	15.00	15.00
250 lin.ft. cable suspension of pipes under 16 in.	10.00	25.00	25.00	10.00	15.00	15.00
50 connections of gas pipes	50.00	100.00	30.00	15.00	50.00	50.00
255 ton c.i. water and gas straight pipes	100.00	125.00	290.00	120.00	100.00	100.00
21 ton c.i. water and gas special pipes	180.00	230.00	100.00	220.00	200.00	200.00
5 ton steel gas pipe straight	240.00	125.00	150.00	150.00	200.00	300.00
5 ton steel gas pipe special	450.00	230.00	350.00	250.00	300.00	500.00
280 lin.ft. high pressure water pipe 8 in.	8.00	8.00	7.00	4.00	2.00	3.00
930 lin.ft. high pressure water pipe 12 in.	10.00	12.50	8.00	5.00	4.00	4.00
380 lin.ft. high pressure water pipe 16 in.	16.00	19.00	17.00	10.00	6.00	8.00
140 lin.ft. high pressure water pipe 20 in.	18.00	24.00	15.00	12.00	8.00	10.00
200 lin.ft. high pressure water pipe 24 in.	24.00	30.00	18.00	14.00	10.00	12.00
115 ton high pressure c.i. water pipe straight	120.00	150.00	90.00	150.00	150.00	120.00
8 ton high pressure c.i. water pipe special	200.00	300.00	200.00	300.00	250.00	250.00
40 ton steel straight pipe	250.00	250.00	150.00	160.00	200.00	300.00
12 ton steel special pipe	400.00	350.00	350.00	300.00	300.00	500.00
140 lin.ft. steam pipe 6 in.	60.00	30.00	6.00	10.00	14.00	24.00
80 lin.ft. steam pipe 8 in.	65.00	40.00	9.00	15.00	22.00	30.00
100 lin.ft. steam pipe 10 in.	70.00	50.00	10.00	20.00	29.00	30.00
5 connection of steam pipes	400.00	100.00	125.00	300.00	500.00	150.00
140 lin.ft. steel welded flanged steam pipe 6 in.	8.00	30.00	6.00	60.00	1.00	6.00
80 lin.ft. steel welded flanged steam pipe 8 in.	10.00	40.00	9.00	65.00	1.00	8.00
100 lin.ft. steam welded flanged steam pipe 10 in.	12.00	50.00	10.00	70.00	1.00	10.00
100 lin.ft. air pipes 6 in. in place	2.00	3.50	3.00	3.00	2.00	6.00
100 lin.ft. air pipes 6 in. new	2.50	4.50	4.00	4.00	2.00	6.00
2,400 lin.ft. mail tubes 8 in. in place	8.00	10.00	15.00	4.00	5.00	10.00
100 lin.ft. mail tubes 2 in. pressure pipe, in place	5.00	2.00	3.00	1.00	2.00	2.00
2,200 lin.ft. mail tubes 8 in., new, straight	4.50	15.00	20.00	8.00	5.00	6.00
185 lin.ft. mail tubes 8 in., new, curved	40.00	25.00	40.00	40.00	10.00	20.00
100 lin.ft. mail tubes 2 in. pressure pipe, new	5.00	4.00	4.00	2.00	2.00	1.00
110,300 duct.ft. vitrified clay ducts and conduits	.50	.30	.50	.40	.40	.05
1,650 lin.ft. steel pipe electric ducts 2½ in.	2.00	.75	.65	.60	1.25	.05
1,860 lin.ft. steel pipe electric ducts 3 in.	2.20	.80	1.00	.80	1.50	.05
2,530 lin.ft. steel pipe electric ducts 3½ in	2.50	1.00	1.20	1.20	1.75	.05
100 lin.ft. steel pipe electric ducts 4 in.	5.00	1.35	1.50	1.50	2.00	.05
50 connection of electric ducts	70.00	100.00	65.00	100.00	100.00	20.00
11,450 lin.ft. fibre electric ducts 3½ in.	.50	.35	.60	.40	.50	.05
2 service boxes	125.00	200.00	200.00	200.00	50.00	300.00
Drawing and redrawing cables (lump sum)	210,000.00	25,000.00	110,000.00	100,000.00	320,000.00	200,000.00
Total including items * (B. of T. sewer scheme) and 19 (a)	$14,135,681	.....	$16,400,475	$16,817,693	$17,905,096	$18,269,491
Total including items * (B. of T. sewer scheme) and 19 (b)	.....	$15,736,940	16,400,539	16,817,753	.....	18,269,517
Total including items ** (Manhattan Sewer Bur. scheme) and 19 (a)	$14172.471	.....	16,439,775	16,863,093	17,929,495	18,304,651
Total including items ** (Manhattan Sewer Bur. scheme) and 19 (b)	.....	15,790,840	16,439,838	16,863,153	.....	18,304,677

SIPHON—OAKLAND, CALIF.

Bids were opened by East Bay Municipal Utility District, for constructing Rockridge Siphon from (A) J. Welsh, Claus Spreckels Bldg., San Francisco; (B) Municipal Improvement Co.; (C) Fredrickson & Watson; (D) Robinson, Roberts & Co.; (E) Grier & Mead; (F) Twohy Bros. & J. F. Shea. Last five contractors all of Oakland. The unit bids are as follows:

	A	B	C	D	E	F
2,430 ft. 54 in. pipe, electric-welded, $\frac{7}{8}$-in. plate						$68,647
2,430 ft. 54 in. pipe, lock-bar, $\frac{1}{4}$ in. plate	$51,953	$53,460	$58,563	$52,852	$50,422	
15,000 yd. trench excavation	14,625	22,500	28,250	26,250	25,500	22,500
2 —8 in. blow-off valves	400	730	450	300	1,000	250
2 manholes	200	220	250	300	200	250
1,050 cu.yd. reinforced concrete	16,800	17,850	11,025	20,475	21,000	16,800
110 cu.yd. plain concrete	1,540	1,870	1,100	1,650	1,980	1,760
1,800 bbl. cement	5,400	5,400	5,850	5,400	5,400	5,400
68,000 lb. reinforced steel	3,060	2,720	3,060	2,448	4,080	4,080
8,700 lb. structural steel	743	612	525	875	1,050	700
1,150 cu.yd. excavation (struct.)	1,322	1,725	2,185	1,437	1,955	2,300
260 ft. 36 in. culvert	1,365	1,560	1,300	1,300	1,534	1,300
1,650 Pabco pipe covering	1,567	1,732	1,650	1,732	1,650	1,402
Extended totals	$98,977	$110,350	$112,208	$115,020	$115,711	$125,390

ROAD WORK—FLORIDA

Bids were opened by State Road Department, Tallahassee, Nov. 3, for constructing 7.38 mi. road between Indian River county line and Ft. Pierce, St. Lucie Co., from (A) Boone & Webster, Palatka (awarded contract); (B) C. G. Kershaw Contracting Co., St. Augustine; (C) S. J. Groves & Sons Co., Orlando. The unit bids are as follows:

	A	B	C
59 acres clearing and grubbing	$140.00	$200.00	$130.00
109,071 cu.yd. regular excavation	.49	.50	.55
389 cu.yd. class A concrete (substructure)	45.00	45.00	43.00
450.8 cu.yd. class A concrete (culverts)	40.00	35.00	43.00
132.6 cu.yd. class A concrete (superstructure)	40.00	55.00	43.00
4,500 lin.ft. foundation piles	1.50	1.50	1.50
80,142 lb. reinforcing steel	.08	.07	.09
190 lin.ft. concrete handrail	4.00	4.00	4.00
720 lin.ft. 18 in. corrugated iron pipe	3.00	3.00	3.50
Extended totals	$118,627	$122,191	$126,715

GRADING—LOS ANGELES, CALIF.

Bids were opened by Los Angeles County Flood Control District for grading for 11 mi. railroad from Azusa to forks of San Gabriel Canyon, from (A) Nevada Contracting Co., Fallon, Nev.; (B) Utah Construction Co., Phelan Bldg., San Francisco; (C) Stewart & Welch, San Francisco. The unit bids are as follows:

	A	B	C
220,000 cu.yd. excavation, unclassified	$0.68	$0.80	$0.90
3,100 cu.yd. plain concrete	10.00	9.50	10.45
2,000 cu.yd. reinforcing concrete	14.00	18.50	11.85
Corrugated pipe, per ton mile haul	.25	.40	.50
60 ft. timbered tunnel	135.00	120.00	94.50
500 ft. unlined tunnel	95.00	80.00	70.00
8,000 tons riprap	1.00	2.00	1.75
Timber to erect bridge, per m. ft. b.m.	25.00	70.00	40.00
Clearing, per 100 ft.	8.00	10.00	7.00
Extended totals	$276,500	$310,950	$312,470